

African-American Studies

Maxwell Becton College of Arts and Sciences
Florham Campus

Maxwell Becton College of Arts and Sciences

Florham Campus, Madison, New Jersey

Courses offered fall, spring and/or summer are so noted. To determine availability of courses not so designated, please check with appropriate department chair.

African-American Studies

Department of Social Sciences and History

AFAM2001

3 Credits

Introduction to African-American Studies

An overview of African-American life in the United States, past and present. Interdisciplinary exploration of aspects of Black America including such topics as: African-American identity, defining experiences in the United States, African-American contribution to American culture and society and connections to Africa and other African diaspora communities.

AFAM2010

3 Credits

The Black Diaspora and Transnationality

Examination of events, movements, theories and texts that have shaped the development of the African diaspora. Topics include slavery, abolitionism; Pan-Africanism; the culture/politics nexus; hip-hop, AIDS; linkages among gender, sexuality and diasporic sensibilities.

AFAM2100

3 Credits

The New Jim Crow

This course will explore modern state of affairs for its sociopolitical interrelations with race, gender, civil rights, poverty, policing and the prison industrial complex, drawing from Michelle Alexander's influential book, *The New Jim Crow: Mass Incarceration in the Age of Colorblindness*, as well as scholarship from Derek Bell, Kimberlé Williams Crenshaw, President Barack Obama, Angela Davis and Wally Lamb, among others. Students will learn about and critically analyze specific cases of wrongful imprisonment and the exponential growth of inmates, largely minority men and women.

AFAM2500

3 Credits

Black Male Experiences

This course will explore the black male experience in America from both sociological and interdisciplinary perspectives. In order for students to develop a comprehensive understanding of this experience, theories, strategies and perspectives regarding racial conflict, class, gender, religion and sexuality will be analyzed. The various roles inhabited by African-American men will be evaluated and students will discover the challenges and contributions of black men during significant periods in American history and the new millennium. The speeches, literature and artistic works of Dr. Martin Luther King, Jr., Malcolm X, W.E.B. DuBois, Marcus Garvey, James Baldwin, August Wilson, President Barack Obama, Elijah Anderson and contemporary hip-hop lyrics will be reviewed. Lectures from invited guests, a trip to Harlem, N.Y., and the organization of a collective event (that is open to the public) are all required components of the course curriculum.

AFAM2501

3 Credits

Black Female Experiences

This course will explore the black female experience in America from a sociological perspective. In order for students to develop a comprehensive understanding of this experience, theories regarding race, gender, sexuality, love relationships and the various roles inhabited by African-American women will be evaluated. Students will discover the challenges and contributions of African-American women during significant periods of American history including slavery and the Civil Rights Movement. The research, literature and artistic works of Patricia Hill-Collins, Tricia Rose, Sheri Parks, Elijah Anderson, Jacqueline Grant, Alice Walker, Angela Davis, Maya Angelou and others will be critically examined.

AFAM2510

3 Credits

Women, Feminism and Beyoncé

By studying first-, second- and third-wave feminist theories and history, the class will ask questions and draw conclusions about why, in part, women of color are often marginalized characters and/or sexual objects in canonical literature and pop culture. It will also analyze Beyoncé's most controversial album, "Lemonade," as text. Students will examine themes of pain, religion and second-class citizenship as it relates to

women of color, through a multilayered feminist perspective that is central to her album. By critically engaging the scholarship of Betty Friedan, Simone de Beauvoir, Warsan Shire, Emma Goldman, bell hooks, June Jordan, Audre Lorde, Gloria Steinem, Chimamanda Ngozie Adichie, Ta-Nehisi Coates, David Kirkland and Margaret Cho, the class will celebrate the achievements of women and possibly explore the remnants of sexist thinking that still affect the 21st-century woman.

AFAM3356

3 Credits

African-Americans and New Media

This course will examine how the internet and the use of new media have impacted the ways in which African-Americans create, communicate and protest injustice from an interdisciplinary perspective. Students will explore the historic ways in which African-Americans organized and expressed a desire to change society and compare those methods to contemporary forms of protest and empowerment. Twitter, Instagram, videos, blogs, digital photographs, music-streaming sites and other forms of digital technologies will be reviewed in detail. Students will be required to present a final project utilizing new media.

AFAM3357

3 Credits

Sociology of the African-American Family

This course will analyze, from a sociological perspective, the factors that have contributed to the evolution of the African-American family such as slavery, religion and the civil rights movement. Students will not only examine theories that attempt to explain social concerns for the African-American family, such as poverty, incarceration and single-parent households but also the rise of the African-American middle class and its family structure. The continuous impact of the media, music and literature on the African-American family experience will also be investigated. Students will be exposed to literature from W.E.B. DuBois, Frederick Douglass, Franklin Frazier, Patrick Moynihan and others.

AFAM3358

3 Credits

Sociology of the Black Church

This course will introduce students to the black church from a sociological perspective. Concepts such as socialization, the Protestant Ethic and deviance will be examined. Students will re-

Anthropology

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view literature from historical and contemporary African-American theologians such as Dr. Martin Luther King, Jr., Rev. Gardner C. Taylor, Rev. Floyd Flake and Rev. Dr. Elaine Flake. Students will evaluate the content of sermons and identify critical themes such as liberation theology and feminist theology. This course will analyze the complete relationship between the black church and politics, ethnic conflict, economics and the African-American family. Social science research methods such as participant observation will also be reviewed and implemented.

AFAM3359

3 Credits

Sociology of Race, Rap and Religion

This course will provide students with a sociological analysis of race and religion as they intersect in rap music and hip-hop culture. Classical theorists such as Marx, Weber, DuBois, Durkheim and contemporary theorists such as Tricia Rose and Michael Eric Dyson will be discussed in relation to this multifaceted and controversial subculture. Sociological theories on violence, socialization, urbanism and social stratification will also be explored.

Anthropology

*Department of Social Sciences
and History*

ANTH1201

3 Credits

Physical Anthropology

The study of the evolution of human beings and of the relationship between human beings and nonhuman primates. Attention is given to the evidence of the fossil record, behavioral and genetic studies of human and nonhuman primates and the existence of modern human physical variability.

ANTH1202

3 Credits

Cultural Anthropology

The study of the culture and social institutions of human societies with special emphasis on the many small-scale societies that make up the majority of the people of the world. Attention is given to marriage and family life, patterns of equality and inequality, collective violence and war, religion and the impact of globalization upon the diversity of the world's peoples.

ANTH2201

3 Credits

Anthropology of Women

The cultural and legal determinants of women's status and options in cross-cultural perspective. Students will examine the broad patterns of male/female power structures and the range of variability and associated cultural, ecological and economic factors. The course will involve the examination of various theoretical approaches.

ANTH2202

3 Credits

Anthropology of Sex

Exploration of the evolution of sex and sexual behavior, drawing on data from biology. The course looks at the relationship between sexual behavior and social structure, examines the biological basis of differences between the sexes and explores the evolution and biology of sexual orientation. The focus is on human and nonhuman primates.

ANTH2300

3 Credits

Ethnographic Field Methods

An introduction to the practical and theoretical issues surrounding ethnographic research in anthropology and the social sciences. Lecture discussions on research methods are enhanced by group and individual research projects conducted by students themselves on a key anthropological theme. Students will develop a knowledge of anthropological research methods, have the practical experience of conducting ethnographic research, acquire the ability to analyze data drawn from their own research and have the opportunity to acquire the ability to present their research in written and verbal form. Prerequisite: ANTH1202 Cultural Anthropology, SOCI1201 Introduction to Sociology or permission of instructor.

ANTH2305

3 Credits

Introduction to Archaeology and Prehistory

A basic introduction to archaeology and prehistory. Emphasis is on the historical development of human societies and cultures as evidenced by the archaeological record. Attention is given to the methods and procedures of archaeological investigation as well as to selected cases in both Old World and New World prehistories.

ANTH2335

3 Credits

African Peoples and Cultures

The study of the peoples and cultures that make up traditional and modern Africa. Emphasis is on the cultural and social organization of a variety of different peoples including hunters and gatherers, pastoralists and agriculturalists. Attention is given to the impact of colonialism and globalization upon traditional cultures and the contemporary challenges to African societies brought on by economic development and new ideas of human rights.

ANTH2336

3 Credits

Peoples and Cultures of Latin America

The study of the peoples and cultures of traditional and modern Latin America. Emphasis is on the culture and social organization of tradi-

tional society and the impact of colonialism, revolution and globalization in Latin America.

ANTH2338

3 Credits

Israeli Society and Culture

This course examines modern Israeli society with an emphasis on the relationship between ethnicity, politics and religion. The focus is on the cultural diversity of Israel's population of Jews and Arabs and on the forms of identification and self-identification of individuals and communities that developed in the context of Zionism, nationalism, modernization and globalization. The course traces these issues beginning with the Zionist settlement of Palestine in the late 19th century through current conflicts of Palestinians and the Arab-Israeli conflict more generally.

ANTH2341

3 Credits

Jewish Communities of the Middle East

This course explores ancient Jewish communities throughout the Middle East, such as Shiraz (Iran), Bataween, (Iraq), Djerba (Tunisia), Rabat (Morocco), Izmir (Turkey), the communities of Islamic Spain, as well as some of the oldest centers in Israel and many more. The course takes an interdisciplinary approach combining ethno-history and anthropology, with history of art and architecture and other fields. These communities, some of which survive to this day, have rich histories of prosperity and cultural integration as well as persecution. In addition to these histories, the current status and future prospects for Jews of the Mid-East Diaspora will be considered.

ANTH2430

3 Credits

Anthropology of Law

Cross-cultural study of law. Examination of custom and law in societies in Africa, Asia, the Middle East and the Americas; analysis of the impact of the West on traditional legal systems in the developing world; and exploration of the role of culture in shaping legal decision making.

ANTH2431

3 Credits

Anthropology of Crime

Murder, theft, corruption, genocide, sex trafficking, this course examines all from an anthropological perspective. Using cultural situations from around the globe, it investigates the complexities that generate and support crime, even while seeking to constrain and end it. (Equivalent to CMLGY2431 Anthropology of Crime.)

Arabic Language and Culture

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ANTH2440

3 Credits

Sustainability and Anthropology

A study of the interrelationships between humans and environments using the perspectives of anthropology. The course examines cultural and biological adaptation to various physical environments in the past and present. There will be a focus on global modern strategies for cultural and environmental sustainability.

ANTH2441

3 Credits

Forensic Anthropology

This course introduces students to the field of forensic anthropology. Forensic anthropology uses the knowledge of human skeletal remains in modern legal, criminal and investigatory settings. Topics to be explored include basic human skeletal anatomy; the identification process including the assessment of the biological profile (sex, ancestry, age and stage); the examination of traumatic processes to bone (blunt force trauma, ballistics trauma, sharp-force trauma, burned remains and child abuse); the determination of time since death; and the work of the anthropologist in a forensic setting. Special attention is given to the role of the forensic anthropologist in human-rights works such as the war crimes trials in Bosnia and Rwanda as well as issues that arise in human and natural disasters such as the attack on the World Trade Center, the recent tsunami and Hurricane Katrina.

ANTH3102

3 Credits

Anthropology of Children and Childhood

This course is a cross-cultural exploration of the lives of children. It examines basic anthropological concepts about childhood and especially the issue of how much children in different cultures, societies and historical periods resemble one another. Ethnographic case material is used to explore the ways in which childhood is culturally constructed. Central to this is how to understand and interpret the everyday lives of children and the role of a children's agency in defining and giving meaning to the life of a child.

ANTH3349

3 Credits

War and Crime

A historical and comparative analysis of social, ethnic, religious and national conflicts with special emphasis upon understanding and analyzing the customary, moral and legal regulation of armed conflict. A case-analysis approach is used to illustrate the complexity subjecting warfare to legal regimes. (Equivalent to CMLGY3349 War and Crime.)

ANTH3350

3 Credits

Introduction to Folklore

An introduction to the study of folklore, including how folklore is classified and collected. Students will be asked to conduct folklore fieldwork in New Jersey as part of the New Jersey Stories Project.

ANTH3360

3 Credits

Medical Anthropology

An examination of how cultural and social factors influence health and well-being. The prevention and treatment of illness, the healing process and experience and distribution of illness. The role of pluralistic medical systems is also given attention.

ANTH3403

3 Credits

Global Poverty, Culture and Reproduction

Topics covered include the issues in developing countries that women and girls face like poverty, lack of education, lack of access to health care, HIV/AIDS, culture and patriarchy and their relationship to family planning and reproductive and maternal health. Students also learn about U.S. foreign policy and how it impacts women's health in developing countries, the role and work of the United Nations in this area and important solutions to address these issues.

ANTH3430

1-3 Credits Each Semester

Selected Studies in Anthropology

Directed reading in a subfield of anthropology to be determined by the professor.

ANTH4075

1-3 Credits Each Semester

Honors Seminar

Senior seminar. A capstone course for students in social sciences, addresses broad questions in theory and application.

ANTH4477

1-3 Credits Each Semester

Honors Research and Thesis

ANTH4700

3-18 Credits

Washington Center Internship

This course is a one-semester internship in Washington, DC, through the Washington Center Internship Program. Students may register for 3-18 credits.

ANTH4800

1-3 Credits Each Semester

Independent Study in Anthropology

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

ANTH4900

3-12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

ANTH4901

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Arabic Language and Culture

*Department of Literature,
Language, Writing and Philosophy*

ARAB1001

3 Credits

Beginning Arabic I

An introduction to the language with practice in reading, writing and conversation. Corequisite: ARAB1007 Arab Practicum I.

ARAB1002

3 Credits

Beginning Arabic II

An introduction to the language with practice in reading, writing and conversation. Prerequisite: ARAB1001 Beginning Arabic I. Corequisite: ARAB1008 Arab Practicum II.

ARAB1007

1 Credit

Arab Practicum I

This 1-credit course is linked to ARAB1001 Beginning Arabic I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: ARAB1001 Beginning Arabic I.

ARAB1008

1 Credit

Arab Practicum II

This 1-credit course is linked to ARAB1002 Beginning Arabic II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: ARAB1002 Beginning Arabic II.

ARAB2506

3 Credits

Arab Culture and Civilization

This course, taught in English, introduces key topics in Arabic history, politics, arts, literature, as well as the sciences. It will also address contemporary issues in Arabic culture.

Art

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Art

School of the Arts

Art – Art History and Interpretation

ARTH1110

3 Credits

Life of the Contemporary Artist

Built around the study of various forms of art and trips to experience the arts in the region, including New York City, this course will introduce students to the contemporary arts and to the artists who create them.

ARTH1205

3 Credits

Art History: Prehistoric Through Medieval

The development of visual art (painting, sculpture and architecture) from prehistoric times to the present (within its historical context). Slides and films. The ideas and philosophies of each culture are considered in order to point out the effect of thought upon art. No attempt is made to define a universal aesthetic; rather, the aim is to interpret and, consequently, enjoy art in the context of culture.

ARTH1206

3 Credits

Art History: Renaissance Through Today

The development of visual art (painting, sculpture and architecture) from prehistoric times to the present (within its historical context) with slides and films. The ideas and philosophies of each culture are considered in order to point out the effect of thought upon art. No attempt is made to define a universal aesthetic; rather, the aim is to interpret and, consequently, enjoy art in the context of culture.

ARTH1402

3 Credits

Museums of New York

Students will have guided tours of the most important art museums in New York. Classroom lectures and museum visits.

ARTH1805

3 Credits

Modern Art in the New York Museum

This course explores modern and contemporary art in New York City museums and galleries, in both permanent collections and special exhibitions. It includes three all-day excursions to New York City, along with evening classes held on campus. While there is no required course book for the class, transportation and admissions amount to approximately \$100.00 to \$120.00.

ARTH2011

3 Credits

Florham Scholars in Arts and Humanities Seminar II

This course is open to Florham Scholars or by permission of the instructor.

ARTH2218

3 Credits

20th-century Art

A study of the main movements in modern and contemporary painting and sculpture: symbolism, fauvism, expressionism, cubism, futurism, dadaism and surrealism. More recent movements such as pop, op, minimal and conceptual art will be discussed.

ARTH2220

3 Credits

Art From 1950s–Present

A study of the work, lives and history of artists from the 1950s to the present. The course will explore art from abstract expressionism to post-modernism and various contemporary art movements. The students will visit art galleries in New York City as part of the course.

ARTH2265

3 Credits

History of Photography

A look at the social, artistic and political contexts surrounding the history of the photograph — from its inception to the present day. Lectures will highlight various photographic trends and photographers who have made major contributions to the art form.

ARTH2550

3 Credits

Movements in Art Since 1945

This class will look at the development of modern art after World War II, including painting, sculptures, performances, street art, land art, photography, video art and all new media. This course will focus on works in the collections of New York City museums. During the semester, students will visit several sites including The Museum of Modern Art, S.R. Guggenheim Museum, Whitney Museum, International Center of Photography and contemporary art galleries.

ARTH2875

3 Credits

American Impressionists

A study of American Impressionists, artists of the Cos Cob Colony, including Childe Hassam and J. Alden Weir, and the Pennsylvania Impressionists, such as Lathrop, Redfield, Schofield and others. Ties to French Impressionism will also be studied.

ARTH3008

3 Credits

Italian History and Art History

A course about the fundamental concepts of Italian history and art history, designed specifi-

cally to take advantage of the resources of the culturally rich city of Bergamo. The course is co-taught by a historian and an art historian in English. The course takes place in Italy and is offered at no cost to FDU students as long as they register in one of the other courses offered in the study-abroad in Italy program. (Equivalent to HIST3008/ITAL3008 Italian History and Art History.)

ARTH3009

3 Credits

African-American Art

This course will suggest different ways of looking at African-American art and works by black artists and explore the culture from which it emerges. Issues such as the relationship of art and politics, cultural diversity as well as questions of racial identities across the African-American and black culture and how they relate to visual representation, will be explored. The class will consider work from among such artists as Henry Ossawa Tanner to the video installations of Keith Piper, and including such artists as Jean-Michel Basquiat, Jacob Lawrence, Faith Ringgold, El Anatsui, Kehinde Wiley and J.D. 'Okhai Ojeikere.

ARTH3217

3 Credits

Late 19th-century Art

Western European painting and sculpture, focusing on the period from 1870–1914, with emphasis on Impressionism, post-Impressionism, symbolism, the Pre-Raphaelites as well as academic art. Special attention is given to major artists such as Degas, Manet, Monet, van Gogh, Rodin, Turner, Seurat, Gauguin as well as Rossetti and others.

ARTH3219

3 Credits

Art in America

The development of the arts in America. Special emphasis given to America's contribution to art of the 20th century.

ARTH3315

3 Credits

Spanish Art and Its Influence in America

Study of Spanish art from its beginnings, with special attention to the 19th and 20th centuries. Focus on particular trends, movements and individuals in the art of Spain who influenced other artists in Latin America and the United States. Study of the works of art within their social, historical and theoretical contexts. Conducted in English.

ARTH3355

3 Credits

New Jersey Museums and Their Art

A study of art movements as presented in New Jersey museum exhibits and lectures.

ARTH3423**3 Credits****Women Artists**

The study of the lives and influences, art and techniques of American and European women artists during the period from Impressionism to the present day, with emphasis on issues of subject matter, historical context and gender.

ARTH3442**3 Credits****Art Appreciation in Sport**

A study of sports activities as expressed by various artists throughout history and through the media.

ARTH3803**3 Credits****Modern Art in the New York Museum**

This course covers the 20th century in painting and art as well as its foundation in late 19th-century France. It is taught onsite through trips to New York's most famous museums.

ARTH3825**3 Credits****Exploring Great Museums of England**

This course introduces students to the history of British painting and photography through visits to museums, galleries and historical sites in England. Lectures and related hands-on, art-making activities will take place at FDU's Wroxtton campus in England.

ARTH4403**3 Credits****Public Art in New York City**

This course will look at the role of public art in cities. Since the early years of this country, public art has served to visualize the people's sense of identity, mostly in the shape of the likeness of the founding fathers and the heroes of this immigrant nation. But it was also meant to shape the people's sense of character, celebrating civic virtues, honoring the victims of war and terrorism, remembering historic events and to mark historic sites. The idea of public art has now grown to include a role that includes adornment, entertainment and to inspire and strengthen a sense of community. The class will visit the sites of public art and study its crucial role in modern urban development.

ARTH4404**3 Credits****Museums of New York: 19th-century French Art and Impressionism**

A study of French art in the New York museums through realism, Impressionism and post-Impressionism.

ARTH4422**1-3 Credits****Internship in Art History I**

Students will work independently on special projects or topics, which require approval of supervising faculty member.

ARTH4423**1-3 Credits****Internship in Art History II**

Students will continue to work independently on special projects or topics, which require approval of supervising faculty member.

ARTH4900**3 Credits****Faculty/Student Research I**

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

ARTH4901**3 Credits****Faculty/Student Research II**

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: ARTH4900 Faculty/Student Research I.

Art – Studio Art**ART1030****3 Credits****Art of the Italian Travelogue**

For centuries, artists and students have travelled to Italy to study its rich architectural and artistic heritage directly. This class offers students an experience of Italian artistic and cultural history through the process of creating their own art. Students explore the world of drawing utilizing a range of techniques and materials including pencil and charcoal, chalks and pastels, pen and ink and watercolor and gouache on paper. Each student creates a sketchbook/travelogue of their time in Italy and larger independent drawings. Classes are held outside in cities, parks, museums and galleries where students work from direct observation. Day-trip excursions bring students and their instructors to places of interest beyond Bergamo, Italy. It is suggested, but not required, that students take ART1201 Drawing I before enrolling in this class.

ART1157**3 Credits****Printmaking I**

Basic printmaking techniques and their aesthetic possibilities. Monoprints, linocuts and wood-blocks.

ART1169**3 Credits****Watercolor Painting I**

Fundamentals of transparent watercolor painting. Stretching, wash techniques and brush manipulation.

ART1191**3 Credits****Photography I**

The fundamentals of black-and-white photography are taught as students develop their own photographs in the darkroom.

ART1201**3 Credits****Drawing I**

An introduction to, and an exploration of, a selected variety of drawing materials and techniques. Emphasis will be placed on the comprehension of the creative possibilities of pencils, charcoal and conte crayon. The course will explore the drawn line as the description of contour, light, darkness and space, as well as the techniques of gesture drawing, shading, texture and heightened drawing on stained paper and other drawing surfaces.

ART1202**3 Credits****Drawing II**

Pencil, conte and ink rendering while developing concepts of composition and personal modes of expression in the given media. Emphasis on the development of a personal aesthetic by each student. Prerequisite: ART1201 Drawing I.

ART1225**3 Credits****Painting I**

This introductory course into techniques and ideas in painting allows the student to learn to translate the three-dimensional world of the portrait or still life into painting.

ART1231**3 Credits****2-Dimensional Design I**

Basic elements of visual language in their application to selected problems. The study is based on formal and ideological analysis of a given object and translation of the resulting material into a two-dimensional visual system of communication. The following are examples of this visual vocabulary that are studied and applied to concrete projects: dynamic and static figure-ground relationships, rhythm, scale, color theory and contrasts, rotating patterns, elementary poster design. All criticism and instruction are on an individual basis.

ART1235**3 Credits****Sculpture I**

The student will be introduced to contemporary concepts of sculpture by way of traditional and contemporary materials. Drawing upon the students' own experience and interests as primary resources as well as historical considerations, the students will create sculptures.

ART1250**3 Credits****Art of the Graphic Novel**

Students will learn to draw graphic-novel pages. Instruction includes all stages of fine art production — from concept sketch to finished page (including lettering). Students are encouraged to take ART1201 Drawing I before enrolling in this course, although it is not required.

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ART1260

3 Credits

Ceramic Character Sculpture

The course will allow students to create sculptures in clay of their own original characters as models for animations, graphic novels or other personal projects. Students will learn ceramic-building techniques for constructing three-dimensional figures. The class will examine the important role clay models play in the development of characters. This will be explored in a range of animated films.

ART1315

3 Credits

Ceramics I

The art of clay and glazes. Involves the student in the making of sculptural forms, vessels or functional objects. Techniques used are clay, pinching, slab and coil building, throwing on the wheel and glazing.

ART2060

3 Credits

Advanced Character Sculpture

This course will teach character sculpture at an advanced level. It will include development and creation of unique characters along with their environments in three dimensions. Modeling techniques in multiple materials will be demonstrated (clay, wire, plaster and mixed media). Class geared toward portfolio development in fine arts as well as film/animation. Prerequisite: ART1260 Ceramic Character Sculpture.

ART2061

3 Credits

Animal Sculpture

The course will allow students to create 3D sculptural representations of animal forms. Basic introduction to comparative animal anatomy will be explored along with direct observation from live animals. The symbolic and expressive use of animal imagery in visual art across cultures and throughout history, including contemporary art and animation, will be looked at. The course will include varied approaches to building 3D forms in clay and mixed media (ex. plaster, wire) — from masks to small sculptures. Students will have the opportunity to make portraits of selected animals such as personal pets or inventions. Class trips will include visits to a zoo, the Metropolitan Museum of Art and an animal skeleton collection.

ART2062

3 Credits

Advanced Animal Sculpture

This course will teach animal sculpture at an advanced level. Students will research specific animals and create 3D sculptural representations of these animal forms. Comparative animal anatomy will be explored along with direct observation from live animals. The symbolic and expressive use of animal imagery in visual arts

across cultures and throughout history, including contemporary art and animation, will be considered. The course will include varied approaches to building 3D forms in clay and mixed media (ex. plaster, wire). Students will have the opportunity to make portraits of selected animals and/or create their own invented creatures. Class trips will include visits to a zoo, the Metropolitan Museum of Art and an animal skeleton collection. Prerequisite: ART2061 Animal Sculpture.

ART2217

3 Credits

All the World's a Canvas: Illustrating the English Countryside and Cityscapes

This is a unique opportunity for students to combine traveling to England to explore, illustrate and study the English countryside, cities and culture. Students will learn a variety of illustration techniques while documenting their journey and travel experiences and will assemble course work and sketches into a final journal to commemorate the experience. Although home base will be Wroston College, students will visit a variety of places such as museums and theaters.

ART2233

3 Credits

3-Dimensional Design

A basic course that introduces the student to the ideas and language of three-dimensional design. Because of the wide range of the course, students who may be interested in sculpture; jewelry, interior, architectural design, stage or graphic design; computer animation; and 3D modeling, can benefit from this course.

ART2236

3 Credits

Introduction to Color

Basic theory of color perception and its relevance to the visual arts. Diverse color relationships and contrasts are studied with the use of color aid, and studio experiments are supplemented by theoretical investigation. Projects investigate different types of color contrasts (hue, value, saturation and temperature).

ART2269

3 Credits

Watercolor Painting II

Advanced techniques in water-soluble media. Emphasis on original procedures for painting various subjects including still life and landscape.

ART2316

3 Credits

Ceramics II

A further investigation of artistic and technical considerations explored in ART1315 Ceramics I. Prerequisite: ART1315 Ceramics I.

ART2319

3 Credits

Drawing III

Advanced exploration of both the student's environment and selected drawing media. Prerequisites: ART1201 Drawing I and ART1202 Drawing II.

ART2320

3 Credits

Drawing IV

In-depth investigation into the variety of non-traditional drawing media such as oils, pastels, inks, dyes and collages. Prerequisites: ART1201 Drawing I and ART1202 Drawing II.

ART2326

3 Credits

Painting II

A continuation of ART1225 Painting I. Special emphasis on the student's continued aesthetic, creative and technical development in painting.

ART2336

3 Credits

Sculpture II

A continuation of ART1235 Sculpture I. Emphasis on an individual approach and further exploration into the technical and creative aspects of sculpture. Prerequisite: ART1235 Sculpture I.

ART2435

3 Credits

Landscape Painting

Explores the creative possibilities and techniques in painting landscapes. Focus is on live observation. Media will include oil and acrylic.

ART2327

0 Credits

Junior Portfolio Preparation I

This course is designed to instruct the student in correct portfolio content and presentation for obtaining positions or entry into a Master of Fine Arts program.

ART3302

3 Credits

Life Drawing

A course designed to develop the capacity of visual observation of the human figure and a second base for visual development in many areas. Expression of approach: gesture drawing, movement expressed by few lines, expressive ways of translating the figure.

ART3307

3 Credits

Ceramics III

An advanced-level class in ceramics. Students will further develop concepts and techniques in clay construction and glazing with a more independent approach, personal projects and research. Prerequisites: ART1315 Ceramics I and ART2316 Ceramics II.

ART3308**3 Credits****Ceramics IV**

This course will allow students in-depth investigation of concepts along with advanced-level process using the ceramic media. Personal exploration and research will be emphasized. Contemporary art works will be a focus in class trips to New York galleries and museums. Prerequisites: ART1315 Ceramics I, ART2316 Ceramics II and ART3307 Ceramics III.

ART3312**3 Credits****Printmaking**

Introduces the student to multiple mechanical and industrial characteristics of printmaking. The student explores the possibilities of block-printing (woodcuts), intaglio (etching) and silkscreen as a means of reproducing images. Experiments with texture, color, line and mass are encouraged.

ART3315**3 Credits****Ceramics V**

An advanced-level class allowing in-depth development of major personal projects and research. Prerequisites: ART1315 Ceramics I, ART2316 Ceramics II, ART3307 Ceramics III and ART3308 Ceramics IV.

ART3314**3 Credits****Ceramics VI**

An advanced course in the ceramics sequence. Further study based on earlier courses in ceramics, which focuses on the art of clay and glazes. Involves the student in the making of sculptural forms, vessels or functional objects. Techniques used are clay, pinching, slab and coil building, throwing on the wheel and glazing. Prerequisite: ART3313 Ceramics V or permission of instructor.

ART3327, ART3328**6 Credits (3 Credits Each Semester)****Painting III, IV**

An in-depth investigation into materials, techniques and content of painting. An introduction of new media and contemporary ideas. The student is encouraged to develop personal modes of expression, that is, to develop the ability to express the inner imperatives, personality and individuality through intuitive, as well as rational "plastic" approach to outside reality. All criticism and instruction are on an individual basis.

ART3329**3 Credits****Painting V**

Advanced students continue their in-depth investigation into materials, techniques and content of painting. An introduction of new media

and contemporary ideas. The student is encouraged to develop personal modes of expression and the ability to express inner imperatives, personality and individuality through intuitive, as well as national "plastic" approaches to outside reality. All criticism and instruction are on an individual basis. Prerequisite: ART3328 Painting IV.

ART3337**3 Credits****Life Sculpture**

The course offers a sculptural exploration of human form and anatomical study. Students work from live models in clay and other materials.

ART3339**3 Credits****Sculpture III**

An advanced course allowing further studio work. The student's own subject matter is developed and related to recent sculptural ideas and materials. Knowledge and skills of contemporary sculpture are expanded and applied. Prerequisites: ART1235 Sculpture I and ART2336 Sculpture II.

ART3340**3 Credits****Sculpture IV**

The course concentrates on the student's execution of a major project. Attention is given to technique, material, scale and its environment. Prerequisites: ART1235 Sculpture I, ART2336 Sculpture II and ART3339 Sculpture III.

ART3350**3 Credits****Illustration**

Employing diverse studio art techniques, students will be exposed to a variety of illustration practices. They will learn to express visual ideas and narratives found in book, magazine, editorial and music promotion.

ART3352**3 Credits****General Drawing III**

Advanced exploration of both the students' environment and selected drawing media.

ART4293**3 Credits****Introduction to Art Therapy**

This course will study the history and development of art therapy, the relationship between psychotherapy and art, the use of art as a diagnostic tool and art-therapy methodologies. This course will help students achieve a greater awareness of their own creative strengths and how to utilize them in a therapeutic setting. (Equivalent to PSYC4293 Introduction to Art Therapy.)

ART4371**0 Credits****Senior Portfolio Preparation**

A review course in developing student artwork for presentation. The portfolio's application is for graduate school or for entering the professional art field.

ART4422**1-3 Credits****Internship in Art I**

Intern at a company or organization for up to 20 hours per week. Students in computer graphic design and in studio arts are eligible for this internship.

ART4423**1-3 Credits****Internship in Art II**

Intern at a company or organization for up to 20 hours per week. This internship may be a continuation of ART4422 Internship in Art I or a new experience with a different company.

ART4430**1-3 Credits Each Semester****Selected Studies in Art or Art History**

Studies in an area of art or art history.

ART4431**3 Credits****Ceramic Character Sculpture III**

The course will allow students to create sculptures in clay of their own original characters as models for animations, graphic novels or other personal projects. For advanced level. Prerequisites: ART1260 Ceramic Character Sculpture and ART2060 Advanced Character Sculpture.

ART4800**1-3 Credits Each Semester****Independent Study in Art or Art History**

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

ART4900**3 Credits****Faculty/Student Research**

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

ART4901**3 Credits****Faculty/Student Research**

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: ART4900 Faculty/Student Research.

Art

Maxwell Becton College of Arts and Sciences
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Graphic Design

CGD1050

3 Credits

Creative Concept Drawing

This course emphasizes developing ideas in sketch form to convey visual representations of a concept before going to the computer to create the digital comps. The course builds drawing skills for graphic arts students while concentrating on conceptual thinking. Interpretation of ideas and how they are realized is covered in this course along with focusing on the student's individual creativity.

CGD1212

3 Credits

Introduction to Graphic Design

This course is foundational for understanding the principles and theory of graphic design and how to put this knowledge into practice. Students will learn how to communicate emotion through design principles and organization, through an exploration of visual literacy and project-based learning. The course will cover an introduction to design elements, color, layout, typography, historical perspectives, visual and conceptual problem solving, career paths and planning for future jobs.

CGD1313

3 Credits

Creative Imagery with Photoshop

This course is an introductory exploration of computer graphics as a technology and a creative medium. Through the use of industry-standard software, Adobe Photoshop®, students learn the fundamentals of working with Raster editing techniques. The focus is on manipulating images and learning about the production workflow as it pertains to digital imagery.

Fee

CGD1314

3 Credits

Illustrator Graphics and Design

This course is an exploration of computer-generated vector graphics as a creative medium. Through the use of industry-standard software, Adobe Illustrator®, students study the fundamentals of graphic design and learn to conceptualize and present ideas in visual form. Topics in this course include production workflow and output standards of vector graphics as they apply to print and web delivery.

Fee

CGD1552

3 Credits

The Digital Children's Book

The course focuses on the theory, history and artistic production of illustrated children's books. Topics include visual storytelling, character development and guidance for assembling an effective portfolio presentation. This course explores a variety of digital-illustration and com-

puter-generated art techniques as well as topics on drawing, painting composition and picture planning. Students learn the skills necessary in the production of digital children's book illustrations through an artfully creative and practical course, which includes scanning hand-drawn illustrations, digital-image creation and manipulation. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

CGD2170

3 Credits

Branding Design

Students will learn methods of research, concept design and implementation in the study of branding and identity through a combination of typography, layout and illustration solutions. A focus on the communication strategies of culture, business and organizations will teach students how to merge complex ideas into persuasive visual images across a variety of media for professional presentation. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

CGD2212

3 Credits

Typography 1

A study of fundamental typographic principles as they apply to graphic design and communication. The history and technological development of type as well as its terminology, specifications and diverse applications will be covered. Studio projects using various graphics programs will involve the analysis, application and exploration of typographic issues in design. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

Fee

CGD2213

3 Credits

2D Design with the Computer

This course will provide students with the theoretical and practical foundations of design through the discussion of historical examples, major ideas and theories and exercises and projects geared toward exploring and developing solutions to visual design problems. Both lateral and critical thinking will be encouraged. Prerequisites: CGD1313 Creative Imagery with Photoshop and CGD1314 Illustrator Graphics and Design.

Fee

CGD2215

3 Credits

Editorial Design and Illustration

Students learn to analyze and create images that portray its implicit as well as explicit meanings through a variety of media, both computer-based and traditional, with diverse image-making techniques and styles. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

CGD2243

3 Credits

Children's Book Publishing

An outstanding children's book requires artful creativity and careful planning. In this course students learn an exciting approach for submission of children's books to publishers. The focus is on the preparation and computer techniques used in the creation of a storyboard and a book dummy for a 32-page children's book. The storyboard is a reduced, overall view of the book, displaying all of the pages within a few documents. The book dummy is a formal mock-up of the proposed book, which demonstrates how the illustrations and text actually interact with each other. Basic scanning, text and image manipulation using artistic computer techniques will be covered. Prerequisite: CGD1313 Creative Imagery with Photoshop.

CGD2370

3 Credits

Print Layout

Integrating word processing, typographic explorations, raster-image manipulation and vector-graphics construction, students will learn to design and create printed documents that blend effective form and communication. The fundamentals of layout, typography, file management, image formats and resolution, as well as pre-press basics will be examined using Adobe In-Design, Photoshop and Illustrator. Prerequisite: CGD1313 Creative Imagery with Photoshop.

Fee

CGD3047

3 Credits

Literary Publishing

This hands-on introduction to the world of independent publishing will explore all aspects of the editing, production and publication of a literary journal, as well as give students a broad overview of the literary marketplace. Students will gain practical experience with design, editing, acquisitions, art, proofing, digital publishing, distribution and marketing. The class will combine approaches, moving between small group labs and seminar styles of learning. This course is offered in conjunction with *The Literary Review*, FDU's international journal of contemporary literature. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design or CREW1001 Introduction to Creative Writing. (Equivalent to CREW3047 Literary Publishing.)

Fee

CGD3300

3 Credits

Illustration: Special Topics

This course gives illustration-concentration majors the opportunity to study special techniques, learn specific skills, experiment with new software or experience and discover special illustration topics in the classroom. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

CGD3303**3 Credits****Web Design**

This course will provide the students the opportunity to learn Adobe Dreamweaver, the industry standard web-development software. The class prepares students with the skills and knowledge of web publishing and the application of multimedia skills for the design and implementation of responsive websites using a variety of software, HTML and CSS.

*Fee***CGD3315****3 Credits****WordPress**

This course focuses on how to utilize WordPress' open-source templates and its HTML- and PHP-coded themes to design, create and maintain web pages and online blogs. Students learn to use WordPress' robust plugins and widget tools, which allow designers and developers to broaden its capabilities beyond the basic features. This course also teaches students how to set up and employ WordPress' dynamic content management system to change and revise the visual design and functionality of a WordPress website without changing the international content that is stored in MySQL databases. Prerequisite: CGD1313 Creative Imagery with Photoshop.

CGD3351**3 Credits****Illustration Design**

This course will be an introduction to the concepts and techniques of illustration both on and off the computer. It exposes the student to a wide variety of methods and media for producing representational art both on and off the computer. The student will learn to present designed concepts in visual form, through the illustration of pictorial art for advertising, books, magazines, editorials, corporate and specialized posters. A focus on aesthetics, personal expression and client needs will be explored. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

*Fee***CGD3352****3 Credits****Typography 2**

Building on CGD2212 Typography 1, this course will approach typography in more detail and depth. Topics include form and counterform in type design, non-font solutions, type as shape and texture, special characters, styles, tables, page structure and output issues. Prerequisite: CGD2212 Typography 1.

*Fee***CGD3355****3 Credits****Package Design**

By studying the consumer, company branding and target markets, students learn to combine

text, colors and additional graphic elements to design unique logos, corporate identities and product lines. The focus is on effective visual communication through designing unique logos and product packaging, which are commonly utilized by commercial enterprises, businesses and organizations. This course teaches how and why a company's external image is important in promoting its public recognition and how graphic designers aid in selling their products or ideas. Students brainstorm, formulate and critique ideas; do initial sketches; and finalize their most effective concepts into digital form. Prerequisites: CGD1313 Creative Imagery with Photoshop and CG1314 Illustrator Graphics and Design.

CGD3358**3 Credits****Project-based Web Design**

This course focuses on intermediate to advanced design features, extensions and behaviors available in Adobe software. Students enhance their web-design skills while learning more sophisticated Dreamweaver tools, focusing on CSS, HTML 5 and current trends in design. The class covers intermediate to advanced web-design topics on how to build effective navigation, laying out pages and working with typography, colors and backgrounds. Instruction is project-based, where students learn through the process of creating websites, while developing more extensive CSS and design skills along the way. Prerequisite: CGD3303 Web Design.

CGD3360**3 Credits****Freelance Practices**

This course teaches students ways to network in the community and how to initiate client connections resulting in appointments to present their portfolio and discuss how they can be of service to their company. Students learn good communication, listening and note-taking skills to aid in understanding, organizing and evaluating the client's wants and needs. The course also covers how to expand the creative-thinking process by utilizing basic principles of marketing and business practices. Students learn to write proposals (including timelines and budgetary costs) with the goal of obtaining contractual graphic-arts projects. Hardware, software and outside-service requirements are also covered in this course.

CGD3362**3 Credits****Mobile App Design**

Anticipating the limitations of the small screens, the various screen sizes, the different screen crops and the text-size preferences set by the user, good design planning is critical in app design. In this course students learn adaptive design, which adjusts the layout accordingly while still standardizing the look and functionality to be considered across all devices, guaranteeing

that the experience is the same regardless of device. This course emphasizes how app designers must take into consideration mobile-device limitations while still thinking creatively within those constraints. Taking advantage of mobile capabilities not available on a desktop computer, such as the use of the camera to snap images, signatures or location devices are also topics covered in this course. Prerequisite: CGD1313 Creative Imagery with Photoshop.

*Fee***CGD3365****3 Credits****Interactive Publishing**

Extending basic skills and knowledge acquired in CGD2370 Print Layout, students will learn to design, construct and manage effective interactive documents in Adobe InDesign. They will focus on the creative possibilities in interactive PDF, SWF, tablet and e-book publishing as well as continue to acquire knowledge of printing technologies and the overall publishing process using InDesign. Prerequisite: CGD2370 Print Layout.

*Fee***CGD3371****3 Credits****Sell Your Designs Online**

Students learn to be an entrepreneur as they create a variety of designs in Adobe software to sell in the online market. They will learn how to create a variety of designs for home decor and wearable art; how to showcase products effectively; how to build a storefront in Etsy, Society 6, Facebook or other online markets; how to present on social media; how to talk about their products; how to create a business plan; how to gain exposure for your brand; how to attract visitors to your store; and marketing strategies for a creative business. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

CGD3375**3 Credits****Email Blast Design and Implementation**

This course teaches tips, tricks and resources for designing and creating beautiful, professional-looking email blasts and newsletters that render well and are useful to its recipients within this challenging medium. Learn how to work within the coding limitations of email clients across the board, supplying plain-text versions, how to implement thorough testing before launching and why to never make compatibility assumptions. Emphasis is placed on designing for relevance, coding within the medium constraints, respecting the reader, setting measurable goals and measuring success. Legal topics such as email-blast subscription options, terms and policies are discussed in this course. Prerequisite: CGD3303 Web Design.

Fee

Art

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CGD3374

3 Credits

Online Ad Design and Implementation

In this course students will consider the needs of a website visitor and why clients buy ads. Students will analyze why different companies' goals vary from one campaign to the next and how to creatively design and implement for all sorts of advertising media on the internet. The focus will be on designing to gain exposure, brand recognition and improving sales and traffic to the client's website, thus expanding and strengthening business as a result of the ad campaign. Topics such as ad placement, click-through rates, direct communication, interactivity, flexibility, measurable results and the effectiveness of ad campaigns will be covered in this course. Prerequisite: CGD3303 Web Design.

Fee

CGD3375

3 Credits

Fashion Illustration

Students will learn drawing skills both on and off the computer to develop a foundation for producing conceptual fashion illustrations. This course teaches students to analyze and draw the female fashion figure from all viewpoints and how to design ideas in a fashion sketch. Students will focus on garment details, fabric, texture and color analysis, as well as figure proportion and movement in a variety of poses. Students will learn technical skills using a variety of media and the computer to render the latest research trends, collections, mood boards and styles. A general knowledge of the fashion industry and fundamental techniques of fashion design will also be covered. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design.

Fee

CGD3377

3 Credits

Web Design II

Learning to create an application and a browser-friendly website is essential in today's ever-changing web market. Using industry-standard software, students will study the various features of HTML 5 to create dynamic and responsive websites. The focus will be on learning the structural markup elements and attributes of HTML 5, native multimedia, drawing with the canvas element and browser support. Techniques on using cascading style sheets with CSS 3 to make visually stunning websites will also be covered in this course. Prerequisite: CGD3303 Web Design.

Fee

CGD3380

3 Credits

Social Media Marketing Design

This course focuses on designing and implementing social-media marketing practices and

establishing brand continuity to be used to engage the target audience, inspire them to act and keep them coming back for more. Students begin by creating an identity that will get a client noticed and remembered. Then, by incorporating the established branding, designing supporting graphics, writing engaging copy and structuring an exciting social-media marketing campaign, students learn how to increase a client's online presence. Through the use of graphics, animations, videos and written content, they will discover how to inspire engaged social-media communities, including forums, blogs, YouTube, Facebook and Twitter. Organic features as well as paid social-media strategies, increasing the loyalty of customers, keyword selection, search-engine rankings, setting goals and measuring successes are covered in this course.

Fee

CGD3385

3 Credits

E-commerce Design

This course teaches how to design database storefront websites, which draw on technologies such as electronic funds transfer, online transaction processing, inventory management systems, automated data-collection systems and security features. Students will carefully plan their product categories and displays, ease of navigation and how to provide a good built-in search engine to make finding specific products easy. The importance of featuring the products on an e-commerce site over incorporating unnecessary bells and whistles will be taught in this course. Topics, such as how to set up a secure functioning cart, making it as easy as possible for the customers to add items to their cart and to accept credit card payments in order to complete the checkout process, will also be covered. Students will also learn how to design and incorporate online contact forms. Legal issues will be discussed and students will learn how to implement confirmation-clause checkboxes where necessary, store policies, terms and conditions and FAQ pages. Prerequisite: CGD3303 Web Design.

Fee

CGD4420

3 Credits

Thesis

Students work on an in-depth, semester-long project. Students learn to prepare graphic portfolios and speak effectively and confidently about their projects as they present hypothetically to clients or to art directors on interviews. At the end of the semester, the students prepare visual displays of their finished projects. Students will speak to a group of FDU computer graphics professors about the process, challenges and how and why they arrived at their final results. A written paper about the experience, process, problem solving, choices, results, conclusions,

etc., is required at the end of the semester. Prerequisite: CGD3351 Illustration Design or CGD3363 Interactive Publishing.

Fee

CGD4422

1-3 Credits

Graphic Design Internship I

Students will intern at a company or organization, in a graphic design or web-design facility, for between a minimum of 50 hours (for 1 credit), 100 hours (for 2 credits) and 150 hours (for 3 credits) per semester.

CGD4423

1-3 Credits

Graphic Design Internship II

The course will provide an opportunity for the student to gain real-world experience in the field of graphic design or web design either through the continuation of CGD4422 Graphic Design Internship I, by entering a new internship facility or by working virtually with a professional company via the internet. The internship must be approved and evaluated by the computer graphics faculty member who is chosen as the internship mentor. To qualify for Graphic Design Internship II credits, the student must apply a minimum of 50 hours (for 1 credit), 100 hours (for 2 credits) and 150 hours (for 3 credits) per semester. Prerequisite: CGD4422 Graphic Design Internship I.

CGD4500

3 Credits

Portfolio Preparation

Students will create both a professional printed and online portfolio, résumé, letter of introduction and follow-up letter. They will also design personalized printed business cards. At the end of the semester, students will present their portfolios, respond to questions and discuss their interests with a panel of working professionals. Upon completion of this course, students will be better able to discuss their goals and how they match with the objectives of organizations they will be interviewing with upon graduation. Prerequisite: CGD3351 Illustration Design or CGD3363 Interactive Publishing.

Fee

CGD4800

3 Credits

Graphic Design Independent Study

Students will work independently on a special computer graphics project or topic, which will be approved by the supervising professor.

CGD4900

3 Credits

Faculty/Student Research I

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Biological Sciences

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CGD4901

3 Credits

Faculty/Student Research II

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: CGD4900 Faculty/Student Research I.

CGDH2020

3 Credits

History of Graphic Design

The course will trace the history of graphic design — from ancient civilization to the present. It will seek to answer whether graphic design is art, communications, craft, marketing or a combination of all. This course will have online readings and classroom lectures.

CGDH2216

3 Credits

Design for Social Responsibility

Designing powerful imagery that addresses critical social issues is a current trend in design. There is a need for social responsibility in graphic designs in both the public and private sectors, by large organizations and small entities. Designers can learn to use their work to increase public awareness of a variety of social issues across the globe as well as on an individual basis. Through a combination of craft and tools, students will learn how to communicate a powerful message with graphic design.

Fee

Biological Sciences

Department of Biological and Allied Health Sciences

BIOL1002, BIOL1012

3 Credits

Plants and Society

The importance of plants to human life and the world, with emphasis on interrelationships between plants and animals; plant groups studied with reference to their ecology, structure, functions and their beneficial and harmful aspects. For nonbiology majors.

Fee

BIOL1005, BIOL1006

4 Credits

Current Topics in Biology

Explores current issues in biology that are of interest to informed citizens. Topics include, but are not limited to, emerging infectious disease, bioterrorism, cloning and stem cell research.

Fee

BIOL1007, BIOL1017

4 Credits

Animal Biology

Survey and phylogeny of the animal kingdom: the anatomy, physiology, reproductive cycles, ecology and behavior.

Fee

BIOL1010

3 Credits

Lecture 3 hours

Human Sexuality

Lectures, discussions and small group explore all aspects of human sexuality, including the biological, psychological, sociological and personal aspects. Includes gender, gender role, gender identity and sexual orientation; sexual behaviors based on value systems; communication, consent, responsibility for sexual health, reproductive rights and freedoms; and understanding sociopolitical influence.

BIOL1024

3 Credits

Advanced Topics in Biology

This course covers major biological topics of interest to society today. The instructor will select topics in areas such as biotechnology, genetics, cell biology, microbiology, biodiversity and environmental science. The purpose of this course is to increase science literacy and understanding of scientific analysis and methods. Students will learn central concepts in biology and apply them to analyze and evaluate scientific instruction.

BIOL1025

3 Credits

Human Biology and Non-infectious Diseases

This course will focus on human biology and health using a systems-based approach. The cardiovascular system as well as the urinary system will allow students to deepen their understanding of some of the most common causes of premature human death in the Western world. Current treatment options will be discussed in the context of human physiology.

BIOL1041, BIOL1042

3 Credits

Tropical Biology

An introduction to tropical biology, with a particular emphasis on tropical forests. Course topics include different types of tropical forest, rainforest diversity and function and the importance of geological processes on tropical forest type and function. This course will also address the distribution of tropical forests and sustainable development and tourism efforts related to tropical habitats. This course includes a mandatory short-term, study-abroad component in Costa Rica in January.

Fee

BIOL1070, BIOL1071

4 Credits

Ecosystem and Environmental Science

This course provides an introduction to global ecosystems, the negative effects of humans on ecosystems and living sustainably as a human population. The course will cover interactions between organisms and their environment, energy flow, nutrient cycles, global resource use and development, pollution, environmental health and principles of sustainability. The course's laboratory component will include a survey of plants and animals and field trips to terrestrial and aquatic ecosystems. For nonbiology majors.

Fee

BIOL1080, BIOL1081

4 Credits

Structure and Function of the Human Body

A systems-based overview of the structure and function of the human body. The role of each organ system in maintaining homeostasis is examined. The course fulfills the lab science requirement for nonmajors.

Fee

BIOL1090, BIOL1091

4 Credits

Human Biology and Health

This course is a survey of the structure and function of the human body, from the cellular to the organismic level of organization. The role of organ systems, nutrition, parasites and genetics will be considered in the perspective of human health. For nonbiology majors; fulfills the Tier 1 general education laboratory science requirement.

Fee

BIOL1110

2 Credits

Medical and Pathological Terminology

An analytical study of medical and pathological terminology relevant to the health sciences. The use of shared etymologies and word-building systems is applied to decipher unfamiliar medical terms. Material is presented in lecture and workshop format, including diagnostic medical equipment.

BIOL1170

3 Credits

Introduction to Ocean Life

Marine ecosystems are an essential component to life on earth and cover 70 percent of the earth's surface. This course will provide a general study of the biology of marine life, including the ecology of estuarine, intertidal, pelagic and benthic habitats. Emphasis will be placed on adaptations of marine organisms and their roles within the marine environment. Topics will include general marine biology and oceanography as well as the effects of climate change and anthropogenic influences on the ocean.

Biological Sciences

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BIOL1180

3 Credits

Climate Change Biology

The course will examine human-induced climate change and the resulting shifts in the distribution of species and the timing of biological events (phenology). Basic principles of climatology will be presented, including the natural and enhanced greenhouse effect, climatological cycles and positive/negative climate feedback loops. The influence of climate change on biological systems will be examined from both a modern perspective and through geologic time. Additional topics to be studied include extinction events; adaptation and mitigation to climate change; species and landscape management; basic climate modeling; and the political, ethical and economic implications of climate change. Finally, students will be responsible for the presentation of case studies in both an oral and written format.

BIOL1190

3 Credits

Exploring Biology Behind American Museum of Natural History

In this course, students will explore some of the key biological concepts studied and exhibited in the American Museum of Natural History in New York City. These concepts include biological diversity, with an emphasis on mammals, birds and marine life; human origins, migrations and evolution; and dinosaurs and vertebrate origins. Half of class time will be spent at FDU learning key biological concepts related to the exhibits. The other half will be spent at the museum (three to four large blocks of time). The course will also include how the museum itself has evolved over the past 100 years, changing how it displays biological connections and certain aspects of the tree of life as new scientific data comes to light. Students will also learn how scientific information is communicated to the public in different ways, including dioramas, models, video and interactive exhibits.

BIOL1201, BIOL1203

4 Credits

Biological Diversity

Study of biological diversity across three domains. Emphasis on morphology, physiology and phylogenetic comparison of species in Eukarya.

Fee

BIOL1202, BIOL1204

4 Credits

Introduction to Molecules, Cells and Genes

Introduction to molecular and cellular processes in biological systems.

Fee

BIOL1205, BIOL1207

4 Credits

Anatomy and Physiology I

Integrated structural and functional systematic study of the human body including cells, tissues and organ systems. Homeostasis and disorders with health and clinical applications are examined. Dissection of selected animal systems, integrated with exercises emphasizing human structure and function. Restricted to allied health students and nonmajors.

Fee

BIOL1206, BIOL1208

4 Credits

Anatomy and Physiology II

Continued integrated structural and functional systematic study of the human body including all major body systems. Homeostasis and disorders with health and clinical applications are examined. Dissection of selected animal systems, integrated with exercises emphasizing human structure and function. Restricted to allied health students and nonmajors.

Fee

BIOL1400, BIOL1401

4 Credits

Introduction to Microbes

This introductory survey course examines the role of beneficial and harmful microbes including bacteria and viruses in environmental processes and disease. Corequisite: BIOL1401 Laboratory: Introduction to Microbes.

BIOL2000

1 Credit

Sophomore Research Experience

Introduction to laboratory techniques in biological research. Permission of allied health and biological sciences chair required.

BIOL2001

1 Credit

Sophomore Research Experience II

Second part of the introduction to laboratory techniques in biological research. Requires permission from allied health and biological sciences chair.

BIOL2003, BIOL2004

4 Credits

Cell Biology

Structure and function of cells as the basic unit of life. Required in the biology and allied health curricula. Prerequisites: BIOL1201, BIOL1203 Biological Diversity; BIOL1202, BIOL1204 Introduction to Molecules, Cells and Genes; CHEM1201, CHEM1202 General Chemistry I, II; CHEM1203, CHEM1204 General Chemistry Laboratory I, II.

Fee

BIOL2049, BIOL2050

4 Credits

Ecology

The relationship between organisms and their environments, emphasizing faunal and floral analyses of ecosystems. Prerequisites: BIOL1201, BIOL1203 Biological Diversity; BIOL1202, BIOL1204 Introduction to Molecules, Cells and Genes.

Fee

BIOL3009, BIOL3019

4 Credits

Microbiology

An introduction to basic prokaryote biology, including medical and ecological microbiology. Viruses are also examined. Prerequisites: BIOL2003, BIOL2004 Cell Biology; BIOL2049, BIOL2050 Ecology; CHEM1201, CHEM1202 General Chemistry I, II; and CHEM1203, CHEM1204 General Chemistry Laboratory I, II.

Fee

BIOL3028, BIOL3029

4 Credits

Plant Morphology

The structure and development of representatives of the major plant groups. Identification of specimens from herbarium and field collections. Prerequisites: BIOL2003, BIOL2004 Cell Biology; BIOL2049, BIOL2050 Ecology; BIOL3256, BIOL3257 Genetics; CHEM1201, CHEM1202 General Chemistry I, II; and CHEM1203, CHEM1204 General Chemistry Laboratory I, II.

Fee

BIOL3221, BIOL3231

4 Credits

Microbiology — Medical Focus

A microbiology course covering introductory concepts (structure, nutrition, growth, metabolism and basic genetics of microbes); immunology; pathogenicity; and microbial disease (including detection and control). Prerequisites: BIOL1201, BIOL1203 Biological Diversity and CHEM1201, CHEM1202 General Chemistry I, II. Corequisites: BIOL3256, BIOL3257 Genetics and CHEM2261 Organic Chemistry I.

Fee

BIOL3253, BIOL3254

4 Credits

Comparative Anatomy

This course is an intensive comparative study of the anatomy of vertebrates, examining vertebrate structure from both an evolutionary and functional perspective. Course topics include vertebrate evolution, key morphological characteristics of the major vertebrate groups and the diversity and evolution of vertebrate organ systems (including human anatomy). Laboratory includes dissection of representative vertebrates, including the dogfish shark, mudpuppy salamander and domestic cat. Mammalian organ systems will receive additional emphasis in lab, including studies of the human skeleton and

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anatomical models, and dissection of the sheep/pig heart, kidney, brain and eye. Prerequisites: BIOL1201 Biological Diversity; BIOL1202 Introduction to Molecules, Cells and Genes; BIOL2003 Cell Biology; and BIOL2049 Ecology.

Fee

BIOL3256, BIOL3257

4 Credits

Genetics

An introduction to the genetics of prokaryotic and eukaryotic cells, including the molecular biology of DNA replication, transcription and protein expression. Mendelian genetics, non-Mendelian inheritance, mutation, gene mapping and population genetics are examined. Prerequisites: BIOL2003, BIOL2004 Cell Biology; CHEM1201, CHEM1202 General Chemistry I, II; and CHEM1203, CHEM1204 General Chemistry Laboratory I, II.

Fee

BIOL3310, BIOL3311

4 Credits

Evolution

This course examines evolution, focusing on the mechanisms within populations to explain large-scale patterns observed in evolutionary biology. Topics include genome evaluation, sexual selection, speciation, human health and the role of natural selection and chance in evolution. The course will emphasize the application of learned concepts to real data with a strong focus on collaborative learning environment. Note: This course includes one required field trip on a Saturday (whole day). Exact date will be specified in the syllabus. Prerequisites: BIOL1201 Biological Diversity; BIOL1202 Introduction to Molecules, Cells and Genes; BIOL2003 Cell Biology; and BIOL2049 Ecology.

Fee

BIOL3332, BIOL3333

4 Credits

Immunology

Introduction to the immune system and its application to biological research using the viruses as a model parasitic system in the laboratory.

BIOL3337, BIOL3327

4 Credits

General Physiology

This is an integrative course in animal physiology, examining the coordinated mechanisms employed by animals to maintain homeostasis across multiple levels of biological organization. Lectures will consider various representative vertebrates and invertebrates, with an emphasis on the proper functioning of organ systems in humans and other mammals. Laboratory will include hands-on experiments and demonstrations of physiological principles in classic animal models, as well as measurement techniques applicable to human medicine. Prerequisites: BIOL1201 Biological Diversity; BIOL1202 In-

troduction to Molecules, Cells and Genes; BIOL2003 Cell Biology; and BIOL2049 Ecology.

Fee

BIOL3360, BIOL3361

4 Credits

Introduction to Molecular Biology

This course provides an introduction to modern molecular biology, which is the study of biology at the level of molecules (DNA, RNA, protein). Topics covered include the regulation of gene expression, recombinant DNA methods and uses and analysis of genome sequences. The class will also explore how and why transgenic animals are made; ways to analyze DNA, RNA and protein expression; newer areas of gene regulation such as RNA and epigenetics, as well as the human genome sequence and forensic DNA analysis. Prerequisites: BIOL2003 Cell Biology; BIOL3256 Genetics; and CHEM2261 Organic Chemistry I. Corequisite: BIOL3361 Introduction to Molecular Biology Lab.

Fee

BIOL3380, BIOL3381

4 Credits

Animal Behavior

A study of the causation, development and adaptive value of behavioral patterns of animals as individuals and in groups. Topics will include biological rhythms, migration, interactions, communication, reproductive behavior and sociality. Laboratory work will emphasize field investigations. Prerequisites: BIOL1201 Biological Diversity; BIOL1202 Introduction to Molecules, Cells and Genes; BIOL2003 Cell Biology; and BIOL2049 Ecology.

Fee

BIOL3390, BIOL3391

4 Credits

Conservation Biology and Wildlife Management

This course focuses on the science of conservation biology, including the study of biodiversity, impacts of humans on the environment, sustainable resource use and management and restoration of habitats and ecosystems. Topics will also include aspects of environmental policy and ethics. Prerequisites: BIOL1201 Biological Diversity, BIOL2049 Ecology and BIOL3256 Genetics.

Fee

BIOL3408, BIOL3409

4 Credits

Forensic Science

This course is an introduction to forensics from a chemical and biological perspective. Topics covered include collection and analysis of physical evidence, organic and inorganic analysis of samples, microscopy, drugs and toxicology, serology and DNA evidence. Discussions on current issues and new technologies are included. For biology and chemistry majors only. Prerequisite: BIOL3256, BIOL3257 Genetics;

CHEM2262, CHEM2264 Organic Chemistry II; or permission of instructor.

Fee

BIOL3413, BIOL3423

4 Credits

Entomology

Entomology will introduce students to the astonishing species and phenotypic diversity found in insects. Using ecological and evolutionary concepts, the class will explore the causes and consequences of their tremendous success and discuss their effects on human health and other aspects of human living. The course will emphasize the application of the learned concepts with a strong focus on a collaborative learning environment. Field trips will accompany the lab, in which students will have opportunities to collect and identify major insect groups. Note: This course includes two required field trips on a Saturday (one during the day and one during the evening). Exact dates will be specified in the syllabus. Prerequisites: BIOL1201 Biological Diversity and BIOL1202 Introduction to Molecules, Cells and Genes.

Fee

BIOL3420, BIOL3421

4 Credits

Developmental Biology

In this course, students will explore the many changes associated with the growth and cell specialization leading to a new multicellular organism. The class will focus on the embryonic stages of animal development, including learning major embryonic structures. It also will link changes in shape and form of the developing embryo to changes on the cellular level, including changes in gene expression associated with pattern formation. Prerequisites: BIOL1201, BIOL1203 Biological Diversity; BIOL1202, BIOL1204 Introduction to Molecules, Cells and Genes; BIOL2003, BIOL2004 Cell Biology; and BIOL3256, BIOL3257 Genetics.

Fee

BIOL4100, BIOL4110

4 Credits

Marine Ecology

A detailed study of the structure and function of marine and estuarine environments including the ecology of intertidal, estuarine, pelagic, tropical and benthic habitats. Emphasis will be placed on adaptations of marine organisms and their roles within the environment at individual, population and community levels of organization. Topics will include general oceanography, predation, competition, symbiosis, trophic relationships, food webs and human impacts. Prerequisites: BIOL1201 Biological Diversity; BIOL1202 Introduction to Molecules, Cells and Genes; BIOL2003 Cell Biology; BIOL2049 Ecology; and BIOL3256 Genetics. Corequisites: BIOL4110 Marine Ecology Lab, CHEM2262 Organic Chemistry II, CHEM2264 Organic Chemistry Laboratory II and MATH1203 Calculus I.

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BIOL4401

2 Credits

Biology Seminar

This course reviews current topics and research methods in the biological sciences through the scientific literature, research, invited speakers and student presentations. Students completing an internship of supervised research during their senior year are encouraged to enroll in the senior seminar concurrently. Students must have completed at least 28 credit hours in biology course work in order to enroll in this course. This course may only be taken once.

BIOL4430, BIOL4435, BIOL4436, BIOL4438

1–3 Credits Each Semester

Research in Biology I, II, III, IV*

This course will explore a specific topic within ecology and environmental biology in depth through relevant readings, presentations/discussions and laboratory exercises. Topics will change with each course offering and will be chosen for their relevance and importance in the field. Prerequisites: BIOL2003, BIOL2004 Cell Biology and BIOL2049, BIOL2050 Ecology. Corequisites: BIOL3256, BIOL3257 Genetics and permission of instructor.

Fee

BIOL4431

4 Credits

Selected Studies in Ecology and Environmental Biology

This course will explore a specific topic within ecology and environmental biology in depth through relevant readings, presentations/discussions and laboratory exercises. Topics will change with each course offering and will be chosen for their relevance and importance in the field.

Fee

BIOL4439

0 Credits

Mentored Research in Biology

Students will work with a research mentor in biology to conduct an independent research project.

BIOL4444

4 Credits

Selected Studies in Cell and Molecular Biology

This course will explore a specific topic within cell and molecular biology in depth through relevant readings, presentations/discussions and laboratory exercises. Topics will change with each course offering and will be chosen for their relevance and importance in the field. Prerequisites: BIOL2003, BIOL2004 Cell Biology and BIOL2049, BIOL2050 Ecology. Corequisites: BIOL3256, BIOL3257 Genetics and permission of instructor.

Fee

BIOL4446, 4447

16 Credits

Allied Health Consortium I and II

Clinical courses at affiliate institutions to fulfill the clinical part of B.S. degrees in Allied Health Technologies, Medical Imaging Sciences and Clinical Laboratory Sciences. For allied health students only.

BIOL4448

16 Credits

Allied Health Consortium III

Third semester of clinical courses at affiliate institutions to fulfill the clinical part of B.S. degrees in Allied Health Technologies, Medical Imaging Sciences and Clinical Laboratory Sciences. For allied health students only.

BIOL4449

16 Credits

Allied Health Consortium IV

Fourth semester of clinical courses at affiliate institutions to fulfill the clinical part of B.S. degrees in Allied Health Technologies, Medical Imaging Sciences and Clinical Laboratory Sciences. For allied health students only.

BIOL4452

4 Credits

Selected Studies in Anatomy and Physiology

This course will explore a specific topic within anatomy and physiology in depth through relevant readings, presentations/discussions and laboratory exercises. Topics will change with each course offering and will be chosen for their relevance and importance in the field. Prerequisites: BIOL2003, BIOL2004 Cell Biology and BIOL2049, BIOL2050 Ecology. Corequisites: BIOL3256, BIOL3257 Genetics and permission of instructor.

Fee

BIOL4460, BIOL4461

4 Credits

Ecotoxicology

This course will provide a general background into the science of toxicology while incorporating specific environmental and ecological effects. Topics include: acute and chronic exposures, bioaccumulation and trophic transfer of toxic compounds, sublethal and lethal effects of compounds on organisms, biomarkers, biomonitoring and population and community-level effects of toxin exposure. The goal is to provide a foundation in the field of environmental toxicology and an understanding of mechanisms and effects of toxin exposure in organisms. Prerequisites: BIOL2003, BIOL2004 Cell Biology; BIOL2049, BIOL2050 Ecology; BIOL3256, BIOL3257 Genetics; and CHEM2261, CHEM2262 Organic Chemistry I, II. Corequisites: BIOL4461 Ecotoxicology Lab and MATH1203 Calculus I.

Fee

BIOL4470, BIOL4471

4 Credits

Introduction to Neuroscience

This course will familiarize students with various branches of neuroscience and the study of the nervous system. Branches include: molecular, cellular, physiological and systems neuroscience. The course will cover topics such as how cells of the nervous system communicate with each other electrically and chemically, how some drugs and disorders can affect this communication and how this communication ultimately results in sensation, perception, memory and behavior. Methods for each of these branches of neuroscience will also be covered. Prerequisites: BIOL2003 Cell Biology and BIOL3256 Genetics.

Fee

BIOL4477

1–3 Credits

Honors Research and Thesis

Permission must be obtained in writing from mentor, student's adviser and the department chairperson.

BIOL4480, BIOL4481

4 Credits

Insect-transmitted Diseases

Learn about the deadliest animals on earth — insects! Everyone has heard of Lyme disease and West Nile virus. Separate fact from fiction regarding these and other ailments. This course explores why insects are able to transmit some diseases so successfully, how this influences humans throughout the world and what steps can be taken to reduce their impact. Prerequisites: BIOL1201, BIOL1203 Biological Diversity; BIOL2049, BIOL2050 Ecology; and BIOL3256, BIOL3257 Genetics. Corequisite: BIOL4481 Insect-transmitted Diseases Lab.

Fee

BIOL4496

1–3 Credits

Internship in Biology I

Supervised internship in a field of biological science. Students will follow both department and career-development guidelines for completing the internship.

BIOL4497

1–3 Credits

Internship in Biology II

Supervised internship in a field of biological science — second internship experience. Students will follow both department and career-development guidelines for completing the internship.

BIOL4500, BIOL4501

4 Credits

Cell Biology Cancer

Cancer is a collection of different genetic diseases. In this course, the class will discuss the

*Students have to take a separate research class for every semester of research.

major genes and cellular pathways that play a role in cancer. It also will explore how these genes regulate the cell under normal conditions and how they are perturbed in cancerous cells. Some of the latest cancer therapies developed to target these misregulated genes will also be covered. Prerequisites: BIOL2003, BIOL2004 Cell Biology and BIOL3256, BIOL3257 Genetics.

Fee

BIOL4600

4 Credits

Gene Expression and Regulation

Regulation of gene expression. Gene expression, in which genetic information stored in the cellular DNA is decoded, is central to the survival of living organisms. The goal of this course is to introduce the biochemical mechanisms involved in gene expression and describe the principles underlying its regulation. Topics covered include bacterial and eukaryotic RNA transcription, translation and processing. The course includes lectures and discussion of primary research articles. Prerequisite: BIOL3256 Genetics. Corequisite: BIOL4601 Gene Expression and Regulation Laboratory.

BIOL4601

0 Credits

Gene Expression and Regulation Laboratory

This laboratory course is taken concurrently with BIOL4600 Gene Expression and Regulation. Prerequisite: BIOL3256 Genetics. Corequisite: BIOL4600 Gene Expression and Regulation.

Fee

BIOL4840

1–3 Credits

Internship in Biology

Students arrange for an internship experience through a biology professor and the Career Development Office. Students arrange to meet the requirements for the class through the biology internship adviser. The student will learn and assist in the design and implementation of various research projects relating to medical treatment. Students will also have the opportunity to observe physicians as they attend to the needs of a wide variety of patients exhibiting various health problems. This course is a nongraded course and the student will receive a Pass/No Credit grade.

Graduate Courses

Graduate courses may be taken by seventh- or eighth-semester students who receive the approval of the chairperson of the department. A list of courses and descriptions is contained in the *Graduate Studies Bulletin*.

Chemistry

Department of Chemistry and Biochemistry

CHEM1022

3 Credits

Lecture

The Chemistry of Nutrition

Nutrition and the chemical composition of natural and synthetic food, along with related topics of current interest, such as food additives, fad and ethnic diets and megavitamin therapy. The examination of the composition and production of food and food additives.

CHEM1027, CHEM1028

4 Credits

Lecture; Laboratory

Chemistry for the Global Citizen

Provides a basic understanding of chemistry knowledge and concepts within the context of everyday life and global issues. Topics addressed include global warming, acid rain, nuclear and alternate power sources and other issues relevant to everyday life. Students will develop a basic understanding of chemical concepts and begin to understand the diverse applications of chemistry in society.

CHEM1051

3 Credits

Lecture

Chemistry and the Crime Scene

This course will look at the concepts and techniques of forensic chemistry, with emphasis on how to collect, process and present chemical evidence. Lectures will include a discussion of the crime scene, collection of evidence, analysis of organic and inorganic samples and processing of DNA samples. Students will learn how scientific methods and common laboratory practices continue to be used to solve the world's most notable and challenging cases. Satisfies Tier II core science requirement for all nonscience majors.

CHEM1107, CHEM1117

4 Credits

Lecture; Laboratory

Chemistry for Health Sciences

Chemical principles with examples taken from health sciences. Organic compounds significant for the medical field and biochemical processes with human focus.

CHEM1201, CHEM1202,

6 Credits (3 Credits Each Semester)

Lecture; Recitation

General Chemistry I, II

Fundamental principles of chemistry, with emphasis on atomic and molecular structure, physical, chemical and periodic properties, stoichiometry, energetics, kinetics and equilibria of reactions, and descriptive chemistry of elements, including theory of qualitative analysis of common ions. Prerequisite: algebra.

CHEM1201 is prerequisite for CHEM1202. Corequisites: CHEM1203, CHEM1204 General Chemistry Laboratory I, II; and CHEM1211, CHEM1212 Recitation: General Chemistry I, II. *CHEM1201, CHEM1211 Fall, Summer I; CHEM1202, CHEM1212 Spring, Summer III*

CHEM1203, CHEM1204

2 Credits (1 Credit Each Semester)

Laboratory

General Chemistry Laboratory I, II

Laboratory experiments emphasizing representative physical and chemical properties, synthetic and analytical techniques, and including an introduction to the qualitative analysis of the common ions. Corequisites: CHEM1201, CHEM1202 General Chemistry I, II. *CHEM1203 Fall, Summer I; CHEM1204 Spring, Summer III*

CHEM2211, CHEM2213

4 Credits

Lecture; Laboratory

Inorganic Chemistry

Principles of atomic and molecular structure, stereochemistry, periodicity and bonding, with emphasis on the main group elements and their descriptive chemistry. Also covers topics such as hydrogen bonding, acid-based chemistry, inorganic polymers, geochemistry and metallic bonding. Prerequisite: CHEM1202, CHEM1204 General Chemistry II.

CHEM2221, CHEM2223

4 Credits

Lecture; Laboratory

Analytical Chemistry

Principles of modern quantitative methods in chemistry, including the study of chemical equilibria, reaction kinetics, acidity and complex formation. The laboratory work involves practical applications of inorganic and organic biochemical analysis using volumetric, gravimetric, chromatographic and instrumental techniques. Prerequisite: CHEM1202, CHEM1204 General Chemistry II.

CHEM2261, CHEM2262

6 Credits (3 Credits Each Semester)

Lecture; Recitation

Organic Chemistry I, II

Structure and chemical properties of compounds of carbon, with emphasis on electronic theory, fundamental mechanisms of reaction and principles of synthesis. Prerequisite: CHEM1202, CHEM1204 General Chemistry II. Corequisites: CHEM2263, CHEM2264 Organic Chemistry Laboratory I, II; and CHEM2265, CHEM2266 Recitation: Organic Chemistry I, II. The first semester is prerequisite to the second. *CHEM2261 Fall, Summer I; CHEM2262 Spring, Summer III*

Chemistry

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CHEM2263, CHEM2264

2 Credits (1 Credit Each Semester)

Laboratory

Organic Chemistry Laboratory I, II

A laboratory course taken simultaneously with CHEM2261, CHEM2262 Organic Chemistry I, II that illustrates important principles of structure and reactivity, synthesis and analysis and structure determination of organic compounds. *CHEM2263 Fall, Summer I; CHEM2264 Spring, Summer III* *Fee*

CHEM3241, CHEM3242

6 Credits (3 Credits Each Semester)

Lecture; Recitation

Physical Chemistry I, II

Introduction to the principles of physical chemistry from both macro- and microscopic viewpoints: thermodynamics, phase and chemical equilibria, electrochemistry, kinetics, quantum mechanics, spectroscopy and molecular structure. Prerequisites: CHEM2262, CHEM2264 Organic Chemistry II, MATH2202 Calculus II and PHYS2004 General Physics with Calculus II or PHYS1002 General Physics II. The first semester is prerequisite to the second. Corequisites: CHEM3245, CHEM3246 Recitation: Physical Chemistry I, II. Note: Some students may take Physical Chemistry lecture without the lab but they may not take the lab without the lecture.

CHEM3241, CHEM3245 Fall; CHEM3242, CHEM3246 Spring

CHEM3243, CHEM3244

4 Credits (2 Credits Each Semester)

Laboratory

Physical Chemistry Laboratory I, II

Laboratory experimentation designed to demonstrate fundamental laws, concepts and mathematically derived relationships involving selected physicochemical properties of matter and the interactions of energy with matter. Corequisites: CHEM3241, CHEM3242 Physical Chemistry I, II.

CHEM3243 Fall, CHEM3244 Spring

CHEM3281

3 Credits

Lecture

Biochemistry I

Structure and function of biological molecules. Prerequisite: CHEM2262, CHEM2264 Organic Chemistry II. *Fall*

CHEM3282

3 Credits

Lecture

Biochemistry II

Current concepts of biochemistry with continued emphasis on the structure and function of biological macromolecules, metabolism and genetic information. Metabolic control, membrane transport, biosynthetic pathways of biological

intermediates, expression and transmission of genetic information and the biochemical basis of molecular physiology.

Spring

CHEM3389

1 Credit

Laboratory

Biochemistry Laboratory

The preparation, separation and identification of biochemicals using modern extractive, chromatographic and spectroscopic techniques. Corequisite: CHEM3281 Biochemistry I. *Fall*

CHEM4215

3 Credits

Lecture

Advanced Inorganic Chemistry

Advanced bonding theories, structures, stereochemistry and reaction mechanisms, with emphasis on transition metal coordination and sigma and pi-bonded organometallic compounds. Also covers topics such as nonaqueous solutions, catalysis, descriptive chemistry of the transitional metals, solid-state chemistry and bioinorganic chemistry. Prerequisites: CHEM2211, CHEM2213 Inorganic Chemistry and CHEM3242 Physical Chemistry II. *Spring*

CHEM4233

3 Credits

Lecture

Instrumental Analysis

Theory and applications of spectroscopy, electrochemistry and chromatography to problems in chemical analysis, with an introduction to computerized instrument control and data handling and an emphasis on comparison of methods and interpretation of data. Prerequisite: CHEM3242 Physical Chemistry II. Corequisite: CHEM4234 Instrumental Analysis Laboratory. *Fall*

CHEM4234

2 Credits

Laboratory

Instrumental Analysis Laboratory

Instrumentation for methods involving spectrometry (such as UV/Vis, IR, AA, NMR), chromatography (GC, HPLC, TLC) and electrochemistry (potentiometry, voltammetry). Computer handling of data and emphasis on report writing. Corequisite: CHEM4233 Instrumental Analysis. *Fall*

CHEM4235

3 Credits

Pharmaceutical Analysis

The analytical chemistry unique to pharmaceutical compounds from the viewpoint of a pharmaceutical scientist.

CHEM4253

3 Credits

Pharmacokinetics

The study of the rate of change of drug concentration in the body. The understanding of the absorption, distribution, biotransformation and excretion of drugs is used in the design and optimization of drug formulations and dosage regimens.

CHEM4263

3 Credits

Introduction to Medicinal Chemistry

This course is based on all branches of chemistry, but especially organic chemistry. Its focus is on improving a drug's therapeutic effect while minimizing its undesirable side effects.

CHEM4285

3 Credits

Pharmacology

A study of drugs, their history, sources, physical and chemical properties, compounding, biochemical and physiological effects, mechanism of action, absorption, distribution in the body and therapeutic uses.

CHEM4351

3 Credits

Lecture

Chemical Kinetics

A study of kinetic theory, rate laws, reaction mechanisms, absolute rate theory, salt effects. Prerequisites: CHEM3242, CHEM3244 Physical Chemistry II and MATH2202 Calculus II.

CHEM4373

3 Credits

Lecture

Polymer Chemistry

A study of natural and synthetic polymers derived from free radical, cationic and anionic polymerizations. Prerequisite: CHEM3242 Physical Chemistry II.

CHEM4401

1 Credit

Lecture/Seminar

Chemistry Seminar

Chemical literature is reviewed through lectures, library assignments and student seminars. Prerequisite: CHEM3242, CHEM3244 Physical Chemistry II. *Spring*

CHEM4430

1-3 Credits Each Semester

Lecture

Selected Topics in Chemistry

An exploration of recent developments in special fields of chemistry.

Chinese • Cinema Studies

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CHEM4436, CHEM4437

0–3 Credits

Sophomore Mentored Research in Chemistry

An individual research project taken under the supervision of a faculty mentor. A final research report must be submitted. Open to students in the sophomore year.

CHEM4438, CHEM4439

0–3 Credits

Junior Mentored Research in Chemistry

An individual research project taken under the supervision of a faculty mentor. A final research report must be submitted. Open to students in the junior year.

CHEM4440, CHEM4441

0–3 Credits

Senior Mentored Research in Chemistry

An individual research project taken under the supervision of a faculty mentor. A final research report must be submitted. Open to students in the senior year.

CHEM4477, CHEM4478

1–3 Credits

Laboratory

Honors Research and Thesis

For University honors candidates in chemistry.
Fall, Spring

CHEM4490

1–3 Credits

Lecture

Selected Subjects in Chemistry

An exploration of recent developments and research in special fields of chemistry. Prerequisite: CHEM3242, CHEM3244 Physical Chemistry II.

CHEM4501

1 Credit

Lecture

Chemistry Capstone Research Experience

Provides students with an opportunity to put to practical use the academic and technical knowledge accrued during their four years within the major. Students will learn about technical writing, presentation skills and effective research tools in preparation for a future in the area of chemistry. The course offers modules on using literature to tackle scientific problems, how to effectively present research and writing a scientific publication. Each student will be required to develop a scientific project, perform effective background research, compile data and conclusions, present the work in an oral presentation and write a technical paper describing the work. Prerequisite: CHEM3242, CHEM3244 Physical Chemistry II.

CHEM4651

3 Credit

Lecture

Chemical Thermodynamics

Principles of classical and statistical thermodynamics and their application to the study of chemical equilibrium of reactions in gas and solution phase. Covers the laws of thermodynamics, concepts of entropy and free energy, properties of solutions and chemical potential. Prerequisite: CHEM3242, CHEM3244 Physical Chemistry II.

CHEM4685

3 Credits

Pharmacology

A study of drugs, their history, sources, physical and chemical properties, compounding, biochemical and physiological effects, mechanism of action, absorption, distribution in the body and therapeutic uses. Prerequisite: CHEM2262 Organic Chemistry II.

CHEM4800

1–3 Credits Each Semester

Laboratory

Independent Study in Chemistry

An individual research project undertaken under a faculty supervisor. A final research report must be submitted. Open only to upper-level students.
Fall, Spring

Chinese

Department of Literature, Language, Writing and Philosophy

CHIN1001

3 Credits

Beginning Chinese I

Introduction to Mandarin Chinese pronunciation, grammar and writing with emphasis on speaking and comprehension. Corequisite: CHIN1007 Chinese Practicum I.

CHIN1002

3 Credits

Beginning Chinese II

Additional beginning-level practice in Mandarin Chinese pronunciation, grammar and writing with emphasis on speaking and comprehension. Prerequisite: CHIN1001 Beginning Chinese I.

CHIN1007

1 Credit

Chinese Practicum I

This course is linked to CHIN1001 Beginning Chinese I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: CHIN1001 Beginning Chinese I.

CHIN1008

1 Credit

Chinese Practicum II

This course is linked to CHIN1002 Beginning Chinese II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: CHIN1002 Beginning Chinese II.

Cinema Studies

School of the Arts

CINE1006

3 Credits

Hollywood Looks in the Mirror

From literature to filmmaking, there is a tradition of looking at the unique world of filmmaking. Beginning with “What Makes Sammy Run” and quickly moving to the screen, this class will look at what filmmakers see when they look at the film business. Screenings may include “Day for Night,” “Bowfinger,” “What Just Happened,” “Stuntman,” “Lost in Oblivion” and “The Big Picture.” What these films tell us about the world of work will be included in the course.

CINE1007

3 Credits

Working 9–5 on Film

As adults, people spend most of their time at work, but as seen on film and TV, the world of work is not a welcome place. In this course, the class will investigate representations of work on-screen. Whether in “Office Space,” “Clerks,” “Working Girl,” “The Office” or “Time Out,” work is seen as a separate world, sometimes mysterious and often kept secret from the rest of people’s lives. This course will look at the work environment as seen on screen, and consider what this has to say about the way people see their lives.

CINE1350

3 Credits

History of Film

The history of film from the earliest attempts to visually reproduce motion to the sophistication of today’s motion picture production, through the discussion and screening of films by D.W. Griffith, Alfred Hitchcock, Cecil B. DeMille, Francis Ford Coppola and international artists and their films. (Film clips and full screenings.)

CINE1360

3 Credits

History of Television

This course examines the development of television from experiments in the late 1800s through the Golden Age of the 1950s and up to the present. Through studying historical television programs, the class examines programming, events and commercials responsible for reshaping American entertainment and values.

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CINE1501

3 Credits

Cinematic Storytelling

A basic introduction to the art of telling the visual story, examining the work of the screenwriter, art director, producer, director, actor, music composer, editor and studio executive. Such subjects as a film's theme and focus, genre and market are closely discussed. The class consists of viewing film clips, doing readings and having discussions on what are all the elements that contribute to the visual story — the how and why.

CINE2004

3 Credits

War on Film

From action films like "Saving Private Ryan" to behind-the-frontlines stories like "Born on the Fourth of July" and "Jarhead," the war film itself has become a genre. This course will look at the history of the conflict the film depicts, what films from that era say about people's view of themselves and how changes in the historical view have affected screen visions as well. The course will include films such as "The Hurt Locker," "The Bridge on the River Kwai," "Battle of the Bulge," "Das Boot," "Full Metal Jacket," etc.

CINE2005

3 Credits

French Cinema

Development of French film with emphasis on the French New Wave. Introducing special topics in acquainting students with significant contributions emerging from the French cinematic tradition, this course focuses on the French cinema after World War II. Films are studied generically, thematically and historically. Emphasis is placed on issues of film analysis and theory. (Equivalent to FREN2005 French Film.)

CINE2008

3 Credits

The Films of Wes Anderson

From "Bottle Rocket" to "The Royal Tenenbaums" to "The Grand Budapest Hotel," Wes Anderson has made his style and approach to film a signature that cannot be confused with any other. The class will look at the design behind the filmmaking, question whether it sometimes becomes more important than the story the film tells and how the filmmaker contributes to the culture of his time.

CINE2010

3 Credits

Films of Spike Lee

This course will study the influential works of film director Spike Lee. From his early days at New York University, when he spoofed the controversial "Birth of a Nation," to his early films, "She's Gotta Have It" and "Do the Right Thing,"

through his work as a mainstream director ("25th Hour," "Malcolm X," "Inside Man" and "4 Little Girls"), the career and filmography of Spike Lee will be examined.

CINE2011

3 Credits

Films of Coen Brothers

The Coen brothers have written, directed and produced films that speak to their independence and to a unique view of the world. Their films can be serious ("Fargo"), but always have more than a trace of humor ("Raising Arizona"), while also displaying an understanding of history and social change. Whether it's Hollywood ("Barton Fink") or the modern southwest ("No Country for Old Men"), the Coens have made films that are creative and impactful. Other films to be considered may include "Blood Simple," "Miller's Crossing," "Hudsucker Proxy," "The Big Lebowski," "O Brother Where Art Thou" and "A Serious Man."

CINE2015

3 Credits

Italian Cinema

The course will discuss the development of the Italian cinema from Neo-Realism to today, in particular dealing with Rossellini, Fellini, DeSica, Bertolucci, Pasolini, Antonioni and Wertmüller. It is taught in English. (Equivalent to ITAL2005 Italian Cinema.)

CINE2205

3 Credits

Blondes and Bombshells

This course will introduce students to themes in film studies, with a look at how American, Italian and other internationally produced films portray images of women — as sexualized objects, as wives and homemakers and as entrepreneurs and self-realized individuals — and how these images and ideas have changed over time. Full screenings in class.

CINE2207

3 Credits

East Asian Cinema

Over the past 25 years, the films of China, Japan and Korea have become staples of art-film houses and international film festivals. Additionally, low-cost electronic media, global distribution networks and the interests of widespread, diasporic communities have made these films available to homes in the United States. This course examines the narrative concerns and structures and the visual styles of East Asian films with regard to their cultures of creation and reception. Featured directors might include Wong Kar-Wai, Hou Hsiao-Hsien, Jia Zhangke, Yasujiro Ozu, Akira Kurosawa, Im Sang-soo, Kim Ki-duk and Hong Sang-soo.

CINE2350

3 Credits

The American Film Director

A look at how developments in film language and changes in society formed the basis of a truly American cinema, not always helmed by Americans. Examples will be taken from: D.W. Griffith, F.W. Murnau (American films), Ernst Lubitsch, Billy Wilder, Howard Hawks, John Ford, Frank Capra, William Wyler, Orson Welles, Roman Polanski, Francis Ford Coppola, Martin Ritt, Sam Peckinpah, Clint Eastwood, Woody Allen, Martin Scorsese, Steven Spielberg, Spike Lee, John Singleton, Quentin Tarantino and Wes Anderson, among others.

CINE2355

3 Credits

American Film, American Scandal

Many events in American history have been the basis or inspiration of great American films. The politics, history and social forces that created these films, the accuracy of how the issues and events are portrayed and how people regard the issues as time passes, will be the focus of this course. Examples will be taken from: Civil War and Reconstruction, journalism, the end of the frontier, corruption in our cities, war and its aftermath, women and power, modernity and loneliness and the African-American experience.

CINE2371

3 Credits

History on Film: Britain

Many events in British history have been the basis or inspiration of great films. The politics, history and social forces that created these films; the accuracy of how the issues and events are portrayed; and how we regard the issues as time passes, will be the focus of this course. Examples will be taken from: the Church of England, British Colonialism, World Wars and the loss of Empire, War on the British Homeland, immigration, assimilation and the effects of Brexit. (Equivalent to HIST2371 History on Film: Britain.)

CINE2404

3 Credits

Films of Alfred Hitchcock

Study, analysis and dissection of the many creative and technical ways Alfred Hitchcock "punctures" and titillates people's emotions and imagination through his major works, such as "Psycho," "The Birds," "North by Northwest," "Rear Window" and other important films by the master of suspense. (Full Screenings)

CINE2405

3 Credits

American Film Comedy

Screening and analyzing the numerous forms of film comedies in America and the many stars and comic teams that bring unmitigated laughs and enjoyment: Mel Brooks, Marx Brothers,

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John Belushi, Dan Aykroyd, Abbott and Costello, W.C. Fields and many other laughables. (Full Screenings)

CINE2406

3 Credits

Clint Eastwood — The Total Artist

To examine, study and analyze, through lectures, discussion, full-length features and clips, a broad range of Clint Eastwood's artistic directorial and producing capabilities in the motion-picture medium. Films to be screened include "The Unforgiven"; "Heartbreak Ridge"; "Pale Rider"; "The Good, the Bad and the Ugly"; "Play Misty for Me"; "Dirty Harry"; "The Bridges of Madison County"; "Bird"; "Escape from Alcatraz"; "Sudden Impact"; and "Mystic River."

CINE2407

3 Credits

Experimental/Surreal Cinema

A critical look at films that have influenced the mainstream by staying on the fringe. Artistic and dreamlike, they bring us into a world of their own. Commentaries will focus on different directors and styles of film. Screenings will include films by Tim Burton, Luis Bunwell, David Lynch, Terry Gilliam, Maya Deren, Stanley Kubrick, Dario Argento, Andy Warhol, David Cronenberg, Ingmar Bergman, Werner Herzog, F.W. Murnau, Samuel Fuller, and Jean-Luc Godard.

CINE2408

3 Credits

The Films of Woody Allen

Explores the cinematic style and many themes of this quintessential New York filmmaker. Screenings and discussions will include "Annie Hall," "Hannah and Her Sisters," "Sleeper," "Love and Death" and "Manhattan," among others.

CINE2515

3 Credits

Spanish Film

This course surveys Spanish films. Students analyze how cinema represents Spanish history and culture. They also examine how Spanish films have moved from local and national themes to include more global topics for an international audience. (Equivalent to SPAN2515 Spanish Film.)

CINE2520

3 Credits

Growing Up on Film

The class will look at coming-of-age films about youths in their teens and early 20s. Looking at films from different countries, cultures and eras will show the consistencies and changes in the process of youths transitioning into adulthood as well as the medium's view of youth in popular culture. Films may include "American Graffiti," "400 Blows," "The Graduate," "Juno," "Boyz n the Hood," etc.

CINE2522

3 Credits

From Comic Book to Big Screen

The course will read, screen and analyze the history of films based on comic books, graphic novels and other pop culture icons and how these stories often serve as a modern mythology. The historical, sociological, psychological and cinematic aspects of this cultural phenomenon will be examined. Screenings will be accompanied by scholarly readings.

CINE2524

3 Credits

African-American Cinema

African-American filmmakers have long been active, in front of and behind the camera, contributing to American culture and history, even if finding resistance within the American film industry. Long before Spike Lee and John Singleton came Oscar Micheaux and Paul Robeson. This course will consider the work of more modern, but still less well-known filmmakers such as Melvin Van Peebles (father of "New York City's" Mario Van Peebles) and Charles Burnett, as well as Gordon Parks, Richard Roundtree and the many who came before them.

CINE2530

3 Credits

Latin American Film

This course is designed to introduce students to Latin-American culture through film media. It focuses on the study of 10 films from most countries in Latin America. First analyzed from a general perspective, each film provides a different aspect of the culture of the Spanish-speaking world. (Equivalent to SPAN2530 Latin American Film.)

CINE3010

3 Credits

Film Noir: The Dark Side of Cinema

This class will examine the beginnings of film noir as B films during World War II. The course will also examine how the genre got its name as well as various theories and concepts about the meaning of film noir and what it has come to mean. Students will view and discuss a retrospective of noir classics and neo-noir films, with particular attention to styles and scripts.

CINE3011

3 Credits

Film Noir: Mystery Films 1940s-50s

This class will take a critical look at the classic American mystery films referred to as film noir by looking at how these films were made, by whom and why they were so successful with the studios and audiences alike. Students will also learn about the Hollywood studio film factory system, the B movies, the Hollywood Production Code and the art of the hard-boiled mystery.

CINE3012

3 Credits

Films of Steven Soderbergh

A modern-day influence on films, Steven Soderbergh came out of the "independent" film movement with "Sex, Lies and Videotape" and then made several failures which jeopardized his career. He emerged as the director of "Erin Brockovich," "Ocean's Eleven" (and others in the franchise), "Traffic," among several other projects that challenged the boundaries of narrative film; "Bubble," "Che" and "The Girlfriend Experience." Full screenings and consideration of Soderbergh's biographical influences will be considered in this course.

CINE3014

3 Credits

Movies, TV and Rock n Roll

In the years after World War II, the growth of entertainment outlets provided a means by which American cultural and economic values were constructed and reflected across our culture. Ideas of "rugged individualism," our connections with religion and our attitudes toward gender roles are reflected in film. This course will examine these major themes and look at how values considered to be American are expressed and subverted in films, television and popular music.

CINE3015

3 Credits

Japanese Culture Through Film

Study of Japanese culture through selected films. It highlights pivotal moments in Japanese history captured in Japanese movies. (Equivalent to JAPN3015 Japanese Culture Through Film.)

CINE3056

3 Credits

Italy: Land of Migrations

In the last two centuries, Italy has been the source of a large migration outward and in recent years the destination for a large migration forward. This course explores these migrations to and from Italy through literature, film and documentaries, paying particular attention to the North American experience. Taught in English. (Equivalent to ITAL3056 Land of Migrations and LITS3056 Italy: Land of Migrations.)

CINE3215

3 Credits

Introduction to World Cinema

Survey of films from various countries with a focus on how different ways of seeing and thinking about the world are manifested through narratives, styles and cinematic elements.

CINE3335

3 Credits

The American Film

A detailed study of cinematic trends and expression through the works of major American film directors.

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CINE3345

3 Credits

Films of Steven Spielberg

Screening, analyzing and dissecting the major films of one of Hollywood's greatest directors, Steven Spielberg, the course will study how Spielberg produces, directs and communicates through his works on a historical, psychological and cinematic level. (Full screenings.)

CINE3350

3 Credits

Twentieth-century Cinema

The history of film from the earliest attempts to visually reproduce motion to the sophistication of today's motion picture production, through the discussion and screening of films by D.W. Griffith, Alfred Hitchcock, Cecil B. DeMille, Frank Coppola and international artists and their films. (Film clips and full screenings.)

CINE4801

3 Credits

Horror and Science Fiction Movies

Screening and analyzing the historical, sociological, psychological and cinematic aspects of the greatest horror and sci-fi movies of all times, these fun-filled "thrill" films will be observed from a "serious" vantage point, from the classics to cult. (Full Screenings)

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COMM1001

3 Credits

Communication in Everyday Life

This introductory course will provide students with a foundation in communication concepts, theory and research, while helping them begin to master practical communication skills, such as listening and critical thinking, using technology to communicate, understanding nonverbal communication, creating persuasive strategies and managing group conflict. Topics will include self-development, interpersonal communication, family communication, group communication, public speaking, media/technology and communicating in the workplace and in public.

COMM1105

3 Credits

Intercultural Communication

The course focuses on cultures and subcultures as well as their impact on perception, communication and behavior. It explores similarities and differences between cultures and barriers to intercultural communication. It also examines principles of and skills in effective communicating and intercultural settings.

COMM2000

1 Credit

Experiential Learning in Communication

This course is for communication studies majors in good standing who wish to do an internship prior to the beginning of their junior year. This course is a first step in developing a professional persona and skills in applying communication concepts. Students must have an approved internship prior to beginning the course.

COMM2001

3 Credits

Perspectives on Communication Studies

What is communication? This is the question that drives this course. The question is deceptively simple since one can probably provide an answer with little difficulty. Answers to the question, "What is communication?" have been dominated by a very particular tradition of Northern American scholarship since the early part of the 20th century. The structure of the course reflects the fact that there are two main schools in the study of communication. The first sees communication as the *transmission of messages*. It is concerned with how senders and receivers encode and decode and sees communication as a process by which one person affects the behavior or the state of mind of another. The second school sees communication as the *production and exchange of meanings*. It is concerned with how people interact with messages or texts in order to produce meanings and examines the roles of texts in our culture. This course will examine both areas of communication study.

COMM2002

3 Credits

Small Group Communication

The main purpose of this course is to help students become better communicators in the context of a small group. The objective is to give students both a broad understanding of group communication processes and practical advice to help them become more effective small-group participants. The course will primarily deal with task-oriented small groups — groups with a specific objective to achieve, information to share, a problem to solve or a decision to make.

COMM2003

3 Credits

Interpersonal Communication

This course examines processes, practices and problems of communication between persons through various modes of interaction (talk, text and media). Topics explored include: formation of the self and impression management; relational development, performance and maintenance; and forms and functions of communicating interpersonally among friends, in families and at work.

COMM2004

3 Credits

Public Relations Principles

This course explores the field of professional public relations covering the role, origin and trends affecting the future of the practice. Additionally, the course will cover topics such as effective writing skills, campaign development and ethical and legal implications of the profession.

COMM2005

3 Credits

Narrative Communication in Media and Everyday Life

This course examines a variety of forms that narrative communication takes (story, myth, fairy tale, report, eyewitness account and rumor) in different media (conversation, radio, film, literature, internet forums, news and entertainment television) and explores the many functions narrative communication serves in people's professional and personal lives.

COMM2006

3 Credits

Nonverbal Communication

This course is designed to enhance student awareness of how nonverbal cues are used in sending and receiving messages and in enacting culture. The course provides an in-depth study of physical appearance, gesture and movement, facial expression, eye contact, touch, use of time and the voice to communicate nonverbally in a variety of interpersonal relationships across personal, professional, public and cultural contexts. Students will be sensitized to how postural, gestural, vocal, facial and spatial behaviors combine with each other and with talk in conducting socially and culturally meaningful interaction.

COMM2011

3 Credits

Introduction to Journalism

A survey course in the history of journalism in America; emphasis on development of principles of modern journalistic practice, including broadcasting. Prerequisite: ENG1001 Composition I: Rhetoric and Inquiry.

COMM2099

3 Credits

Professional Communications

A writing and oral communication course which emphasizes the importance of collaborative communication techniques used in the workplace. The course features an extended simulation that integrates work-related written and oral communication through practical application. The simulation allows students to gain experience similar to that of the workplace. The course also concentrates on business writing, including letters, memos, reports and proposals; oral presentation; listening skills; and group dynamics. Prerequisite: ENG1001 Composition I: Rhetoric and Inquiry.

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COMM2210

3 Credits

Popular Culture and the Media

This course provides an introduction to the critical issues and approaches used in the study of current and recent American popular culture. Popular culture is all around us — influencing how we think, how we feel, how we vote, how we live our lives in countless ways. Students will look primarily at television, film, advertising, fashion, popular music and computer cyberculture, with occasional forays into other types of pop culture. Students will analyze how such critical factors as ethnicity, race, gender, class, age, religion and sexuality are shaped and reshaped by popular culture.

COMM2214

3 Credits

Introduction to Broadcasting

This course provides an introduction to the principles and practices of the broadcasting industry. While the focus will be on radio broadcasting, many of the discussions will have application to the television industry as well, particularly when it comes to legal issues. The course will include training and practice in radio productions. Students also will receive an introduction to radio programming (both commercial and noncommercial), production, broadcast-station policies, legal issues and industry trends.

Fee

COMM2221

3 Credits

Advertising Principles

This course is designed for people who have not had much prior experience in advertising and as such, the primary objective is to improve their skills for advertising. In particular, students will be working on the *creative* and *persuasive* aspects of advertising. Although time will be spent discussing, planning and budgeting for advertising campaigns, the bulk of the time will be spent learning the elements that go into the creation, development and production of advertisements.

COMM2260

3 Credits

Cross-cultural Communication

This course explores cross-cultural communication both in general discourse and a few specialist fields, giving special attention to texts examined from an intercultural perspective. The importance of the use of English as a lingua franca is also taken into consideration as well as its influence on the linguistic and external realizations at an international level. The course will be offered at the Università di Bergamo in Bergamo, Italy.

COMM2851

3 Credits

Visual Journalism

In the 21st century, journalism will continue to include a strong visual component but photogra-

phers can no longer take images of current events and simply submit them to editors. Today, visual journalists are also expected to be able to write captions and short stories to accompany the visuals. In this course students will learn to recognize newsworthy images, become proficient (using a single-lens reflex digital camera) in taking digital images, developing, processing and transmitting these images for both print and electronic media. Students will also work on captions and short stories to accompany these images.

COMM2866

3 Credits

Women and Minorities in Media

With an emphasis on print and electronic journalism, an examination of the history, role and impact of women and minorities in the American media; analysis of traditional minority-media outlets and their audiences; the transition to participation in the major media marketplace of ideas; contemporary issues of race, ethnicity and sex and how they are reported. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry.

COMM2900

3 Credits

Self-presentation for Employment

The course applies principles of interpersonal communication and organizational communication to the employment process. Course work includes self-assessment and industry research, preparation of targeted résumés and cover letters and preparation for the employment interview through the study and practice of interview structure and content. Needs NetID (formerly Webmail) account.

COMM3001

3 Credits

Marketing Communications

This course is designed to provide students with an understanding of how the major types of marketing communication messages are created and delivered. Students will develop an understanding of how advertising, sales promotion, publicity/public relations, personal selling and direct marketing are planned and synthesized to form an integrated marketing communications (IMC) program. Students will develop a theoretical basis and strategic understanding of how to build and manage the marketing communications that impact customer relationships and brands, and an understanding and appreciation for the IMC concept and process through hands-on experience in analyzing and making recommendations for real company situations.

COMM3004

3 Credits

Organizational Communication

This course examines the foundations, as well as the challenges and misunderstandings within public and private organizations. It focuses on

the concepts and applications of the nature of work, motivation to work, roles and interactions, leadership and management, power and influence, working in groups and cultures of organizations. Organizations in a global context are explored.

COMM3005

3 Credits

Social Media, Communication and Community

With the advent of virtual communities, online social networks and the rapidly advancing use of social media, the question of effective communications can be addressed through multiple lenses. Drawing upon the theoretical literature from various disciplines, this course will enable students to understand what constitutes social media and its associated technology and its impact on communications within groups, organizations and society in general. Students will be expected to actively engage in several forms of social media. In addition, students will be introduced to the concept and practice of social network analysis and its role in measuring communication flows within organizations and groups.

COMM3012

3 Credits

Newswriting

Practical instruction in newswriting, feature writing and reporting and interviewing for newspapers. How to cover and write about meetings, speeches, crime, the courts and business. Standard news style and ethical and legal limitations of the press. Prerequisite: ENGW1002 Composition II: Research and Argument.

COMM3013

3 Credits

Feature Writing

The art and practice of writing for a variety of media. Consideration of the variety of techniques and structures, from narrative writing to human-interest profiles, opinion pieces and criticism. Emphasis in the story-pitch process, interview techniques, writing and editing. Prerequisite: ENGW1002 Composition II: Research and Argument.

COMM3014

3 Credits

Family Communication

This course examines family relationships, roles, structures, crisis-management strategies, myths and dynamics from a communication systems perspective. Family interaction as foundational to lifelong experience is a central consideration of the course. Historical, economic, social and legal issues relating to the family are explored.

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COMM3015

3 Credits

Political Reporting: Journalism in an Election Year

This course will give students the opportunity to write news articles and analyses about the race for the U.S. presidency. Students will work on breaking news and longer-form pieces, all while examining the political process. Students also will review and critique the work of national media outlets, especially once the election is over. Articles will be submitted to *The Pillar* student newspaper for publication.

COMM3016

3 Credits

News Editing

Practical instruction in editing copy and writing headlines for newspapers. Also covers standard-news style, newsroom routine, newsroom technology, wire services, photo editing, typography, page makeup and design and ethical and legal limitations on the press. Prerequisite: ENGW1002 Composition II: Research and Argument.

COMM3018

3 Credits

Mass Communication

This class will provide a forum for examining the media of mass communication. It will take a closer look at both the history and contemporary trends in the newspaper, book, magazine, radio, film and television industries, and then bring the discussion to present day by taking a closer look at computer media and the internet. Using media literacy as a central theme, the course will also discuss media ethics and other social issues related to mass media. Prerequisite: COMM2001 Perspectives on Communication Studies.

Fall

COMM3019

3 Credits

Global Communication

This course surveys a broad range of communication issues related to the area of globalization. The course explores international, intercultural and multicultural communication; diversity issues related to gender, race and ethnicity; post-modernism; the role of technology; and the impact of the "global village" on the nature of work. Time will also be spent exploring how globalization has led to compressions of time and space and significant changes in social relationships. Prerequisite: COMM2001 Perspectives on Communication Studies.

COMM3020

3 Credits

Art and Theory of Film

A course in the aesthetics and theory of film, with a focus on writing critically about movies. Covers such major elements of film art as montage, composition, cinematography, lighting,

sound, music and special effects. Major critical movements covered include semiotics, myth criticism, feminist criticism, auteur theory and genre criticism. The work of one or two theorists will be explored in depth.

Fee

COMM3022

3 Credits

Communication Research

The primary goals/objectives of this course are to introduce students to the concepts, approaches and tools for gathering and analyzing information in research related to communication and, generally, to make students better consumers of the research they are exposed to in their everyday lives. By the end of the semester, students will be acquainted with the terminology and concepts of social science research as they are used in the field of communication studies, and be able to do the following: use library and internet sources to gather information; develop a research question, hypothesis and accompanying review of the relevant literature; and have a working understanding of the range of methodologies available to communication researchers. Prerequisite: COMM2001 Perspectives on Communication Studies.

COMM3023

3 Credits

Film and Culture

A course in the way film reflects and influences culture. Focus on a historical or cultural theme represented in film; background reading in appropriate cultural texts and documents. Topics vary from semester to semester, such as politics and community in American film; American individualism and the Western; the crime film and American values; America and the psychology of war. Film screenings held in addition to class time.

COMM3027

3 Credits

Language and Social Interaction

Introduces students to the research and methods of scholars doing work in the area of communication studies known as language and social interaction. The objective of this course is to develop a working knowledge of language and social-interaction studies to raise awareness of how language is used and what it is used to do and to foster an understanding of how language and social-interaction function in people's everyday lives. Prerequisite: COMM2001 Perspectives on Communication Studies.

COMM3030

3 Credits

Events Planning

Event planning is an important component of marketing and public relations. Events have the power to build consumer awareness and create a connection to a company or brand that other channels cannot match. From product launches

to fundraising galas, effective events can help brands and organizations achieve measurable business goals. But event planning is more than just throwing a good party. Each production takes months of planning and strategy. In this course, students will learn how to create successful events from conception to completion. They will develop essential materials for their events, including invitations, advertisements, calendar listings and media alerts to create awareness; create and manage an event budget; and think creatively to build strategic collaborations. Prerequisite: COMM2004 Public Relations Principles.

COMM3035

3 Credits

Public Relations Writing

This course will provide students with a repertoire of writing skills and techniques for use in the public relations field. Particular emphasis will be placed on writing for the media, for crisis communication and for promotion and publicity. Prerequisite: COMM2004 Public Relations Principles.

Spring

COMM3050

3 Credits

Communication Theory

This course offers a broad explanation and appreciation of communication theory and its centrality to everyday life. It explores the process of theory construction in modern communication studies through a multidisciplinary survey of many of the theories that have historical and contemporary value to communication scholars.

COMM3051

3 Credits

Communication and Gender

Starting with a more general exploration of gender and communication, and moving into media, education and workplace-specific applications, this course seeks to blend extensive reading and personal reflection into a solid understanding of what "gender" means in today's society and the implications that this understanding has for communication in people's personal and professional lives.

COMM3060

3 Credits

Television News

The key areas that go into the creation, production and distribution of television news; how daily television news is researched, written and produced; the differences between network and local news, between local and 24-hour news and between morning and evening network news broadcasts. Examination of the ethical, racial and gender issues in production and reception of news. Exercises in writing copy and laying out the elements of a 30-minute broadcast, while also exploring the inner workings and politics of a career in television news.

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COMM3223

3 Credits

Mass Communication Law

Provides practical knowledge of the basic laws and regulations governing anyone involved with mass communication products or industries. Students will examine the federal and state regulation of print, broadcasting and new media in the United States. It will also focus on legal mandates and the constraints that have shaped the role of the media in society, especially the First Amendment. The course covers several areas, including libel, hate speech, obscenity, news gathering, advertising and broadcasting regulations. It also explores processes of deregulation and its implications for freedom of speech in the United States.

COMM3243

3 Credits

Advanced Advertising and Promotions

Building on COMM2221 Advertising Principles, this course focuses on basic principles of account planning, good account management and relationships within agencies and between agencies, clients and consumers; principles of media buying; planning and budgeting for advertising campaigns. Emphasis is on creating more sophisticated advertising and promotional campaigns and polishing the communication skills that are such a vital part of account management. Prerequisite: COMM2221 Advertising Principles.

COMM3244

3 Credits

Public Relations Campaigns

This course provides students with an accelerated opportunity to enhance essential practitioner skills through engagement in a hypothetical campaign based on skeletal scenarios. Students engage in the entire problem-solving process, including research and planning, as teams, while refining their critical thinking and writing skills. Prerequisite: COMM2004 Public Relations Principles.

COMM3248

3 Credits

Writing for Broadcast and Podcast

This course will prepare students to write for the electronic news media. In addition to developing the skills necessary for writing good radio and television news copy and promotional/commercial copy, students will also discuss current issues (ethics, legal issues and history) as well as current events in broadcast journalism. Writing projects will be completed, both individually and in teams, and sample assignments may include radio and television commercials, broadcast news copy, broadcast interviews, public service announcements and dramatic pieces.

COMM3311

3 Credits

Communication and Customer Service

This course will focus on the role of communication in customer service and the practices that “best in class” companies apply to differentiate themselves from the competition. The course includes a grounding in communication theory as well as practical information and activities designed to teach students not only how to respond to customers, resolve problems and provide quality customer service, but also how to manage and motivate a staff of customer-service employees as well.

COMM3341

3 Credits

Radio Management

This course will deal with radio-management functions and operations. In addition to exercises that will enable students to more closely examine trends in the world of radio, radio programming and station development, students will enhance their hands-on skills as well. Students will develop a working knowledge of the operation of radio stations including the audience rating methods that impact their programming design.

COMM3349

3 Credits

Introduction to Television

This introductory course will examine the language and narrative structure of television and cover such practical areas as videography, cinematography and editing. Time will also be spent reviewing the history of television and addressing special topics such as music television, animation, commercials and reality programming.

COMM3431

3 Credits

Sports Information Writing

Examination of and practical exercises in sports information writing, gathering news and writing basic sports stories and press releases, designing and writing brochures and other publicity material, interviewing, information sources and outlets and setting up and operating “gameday” activities. Prerequisites: COMM2001 Perspectives on Communication Studies and ENG1002 Composition II: Research and Argument.

COMM3432

3 Credits

Sports Journalism

This course provides practical training for students interested in a career in sports journalism — from the basics of game coverage to interviews, profiles, columns, investigative stories, analysis and commentaries. Students will work toward an understanding of how to report and write about such topics as the business of sports

and gender and racial issues in sports. Students will cover events and practice writing on deadline, study the differences in reporting for print, online and broadcast and learn how to inject interpretation and color into their coverage without losing professionalism. Prerequisite: ENG1001 Composition I: Rhetoric and Inquiry or its equivalent.

COMM3433

3 Credits

Communication in Science Fiction Literature and Film

Examination of the forms and roles of communication in the possible worlds imagined by science-fiction writers; exploration of such issues as relationship development, alien communication, human-machine interaction, communication and institutions; provides grounding in communication theory to make sense of current communication phenomena.

COMM3437

3 Credits

Talk at Work

Explores how communication constitutes the work that people do in a variety of professional contexts, including medical care, emergency service, legal interrogation, broadcasting, public hearing and political press conferences. Students will study talk in these contexts to discern how it is organized to accomplish certain tasks.

COMM3838

3 Credits

Media Ethics

Ethics in both the print and broadcast media, using current newspaper articles and news programming as resources. Students participate in the decision-making process of reviewing and selecting information for mass audiences. Emphasis on class discussions.

COMM4001

3 Credits

Communication Internship I

Practical experience in communication in a professional setting.

COMM4002

3 Credits

Communication Internship II

Advanced practical experience in communication in a professional setting. Prerequisite: COMM4001 Communication Internship I.

COMM4003

1 Credit

Advanced Practicum in Communication

This course is for communication studies majors in good standing who have taken COMM4001 Communication Internship I and COMM4002 Communication Internship II and wish to do an additional internship. Students must have an ap-

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proved internship prior to beginning the course. Prerequisite: COMM4002 Communication Internship II. Note: must have instructor approval to register.

COMM4005

3 Credits

Literary and Communication Theory

This course considers the contribution and impact of literary theory within contemporary communication studies. The course examines perspectives such as semiotics, hermeneutics, phenomenology, structuralism and post-structuralism and explores what literary theory contributes to the understanding of human communication processes. Prerequisite: COMM2001 Perspectives on Communication Studies. Open to seniors only.

COMM4006

3 Credits

Advanced Literary and Communication Theory

This course builds upon COMM4005 Literary and Communication Theory. Students consider advanced texts in semiotics, phenomenology, hermeneutics and critical theory and their relationship to contemporary communication problems and issues. Prerequisite: COMM4005 Literary and Communication Theory.

COMM4070

3 Credits

International Communication and Culture

This is a 12-day seminar course offered at Wroxton College, England, each summer. A key objective of the seminar is to make students familiar with the cultural, historical and political contexts in which international business transactions take place, from a United Kingdom and European perspective. Along with an understanding of the cultural context of communication, students are given a grounding in the theoretical context of communication study. Students will examine case studies conducted by United Kingdom practitioners, which show how issues of culture, history, politics and theory play out in actual corporate communication practice.

COMM4444

3 Credits

Multimedia Journalism

This course will attempt to keep up with the ever-changing media landscape. In addition to developing the skills needed to ensure students produce solid journalism, they also will learn how to apply multimedia techniques to tell stories in new and interesting ways. Throughout the semester, students will work on developing their own web pages, complete with original reporting, audio and video components, photography and blogs. Students will also study current events as well as ethical and legal issues in elec-

tronic media. Note: Students should complete at least one journalism course prior to taking this class.

COMM4480

3 Credits

Crisis Communication in a Public Relations Context

This course specifically examines the dynamic practice of crisis communication on the organizational level. It seems that the world lives in a culture of crisis — organizations must be proactive and reactive in their public relations practices. Topics discussed will include image-repair strategies, options available to organizations facing crisis, crisis-management teams, crisis management as a form of public relations and examination of case studies. Using the most recent scholarship, students will learn about this timely topic in an interactive and engaging environment. Prerequisite: COMM2004 Public Relations Principles.

COMM4800

3 Credits

Independent Study in Communication

Independent study under the direction of a specific faculty member after consultation with the department chairperson. Prerequisite: advanced standing in major.

COMM4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Writing and Creative Writing

See pages 367–369.

Computer Science

Department of Mathematics,
Computer Science and Physics

CSCI1145

3 Credits

Computers and Computing

A first introduction to computer technology and applications for all disciplines. Topics include discussion of computer hardware and software, the societal impact of computers and computer applications in everyday life and business. The goal of this computer course is to foster skills development so that students have sufficient computer skills for use in college, at home and in the workplace for a technology-filled 21st century.

Fall, Spring

CSCI1205

3 Credits

Introduction to Computer Programming

An introduction to computer programming using the C# language with emphasis on good software engineering practice and basic computer-science concepts. Topics include algorithm design, top-down design, forms and controls, decision structures, loops, methods, arrays and lists. Prerequisite: placement in MATH1107 Precalculus.

Fall, Spring

CSCI1500

3 Credits

Programming in Visual BASIC

An introductory programming course designed to introduce the students to the logic, format and conventions of coding using graphics and database elements. The course covers object-oriented programming techniques and use of graphic components in designing application interfaces.

CSCI2100

3 Credits

Mobile App Development

In this course students will learn how to develop applications for mobile devices such as smartphones. Students will use the App Inventor application for the creation of Android applications. It is intended for students with no prior programming experience. Prerequisite: Completion of MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

CSCI2215

3 Credits

Introduction to Computer Science

Problem solving with data models, data structures and algorithms using C++. Exposure to areas of computer science such as complexity theory, computer architecture, software engineering, etc. Prerequisite: CSCI1205 Introduction to Computer Programming or equivalent.

Fall, Spring

CSCI2216

3 Credits

Introduction to Computer Science II

Advanced C++ programming constructs and features will be covered, including structured data, file operations, advanced objects and classes, exceptions and templates. Prerequisite: CSCI2215 Introduction to Computer Science.

CSCI2233

3 Credits

Data Structures and Algorithms

This course provides an introduction to data structures and algorithms, including their design, analysis and implementation. It will introduce algorithmic analysis tools to study the behavior of algorithms associated with various data structures including lists, sorted lists,

Computer Science

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stacks, queues, deques, trees, heaps and priority queues, hash tables, search trees, sorting, selection, graph algorithms and B-trees. Students will be introduced to algorithms' design techniques, including divide-and-conquer, greedy approach, backtracking and dynamic programming.

CSCI2247

3 Credits

Assembly Language Programming

Fundamentals of digital computer logic, symbolic assembly language programming, macros; introduction to the assembly process, compilation process and operating systems. Selected topics. Prerequisite: CSCI2215 Introduction to Computer Science.

Spring

CSCI2255

3 Credits

Discrete Structures

Set theory, algebraic structures, Boolean algebra and propositional logic, graph theory and other aspects of combinatorial mathematics. Prerequisite: MATH1107 Precalculus or MATH1203 Calculus I.

Fall

CSCI3100

3 Credits

Android Apps Development

This course introduces students to the design and implementation of Android applications for mobile devices (including smartphones and tablets). The course is an engaging, hands-on course and is designed to prepare student programmers to meet growing business demand for mobile apps. Students will develop apps from scratch and learn how to set up an Android Studio Development environment. They will work with various Android Activities, create user interfaces for their apps and program the logic behind their apps. This course blends theory and practice to enable students to build apps the right way and learn best practices of mobile development. This course is intended for students with at least one year of programming experience in an object-oriented programming language (ex. C++). Prerequisite: A grade of C or higher in CSCI2216 Introduction to Computer Science II.

CSCI3157

3 Credits

Cyber Security

Overview of computer security; foundations — access control matrix; policy — security policies, confidentiality policies, integrity policies, hybrid policies; implementation — information-hiding techniques — steganography, digital watermarking, cryptography, fingerprinting, key management, cipher techniques, authentication, access-control mechanisms, confinement problem, user and system security, data security, copyright, digital certificates and digital-rights

management. Prerequisites: CSCI2215 Introduction to Computer Science and MATH1203 Calculus I.

CSCI3268

3 Credits

Database Systems

Overview of the function and architecture of database systems. Study of storage structures and their implementation. Survey of the current types of data models. Examples of data definition and data manipulation languages. Specific database management systems will be studied to support the database concepts.

CSCI3269

3 Credits

Introduction to Data Mining

This course introduces the fundamental concepts of data mining. Students will gain an in-depth understanding of algorithms in the field, and will learn how to prepare data for learning and classification. Topics covered include data preprocessing, classification, cluster and outlier analysis and text mining. Students will work on projects for developing classification systems. Prerequisite: CSCI2233 Data Structure and Algorithms, CSCI3333 Computer Algorithms, MATH3300 Statistics I or permission of department chair.

CSCI3270

3 Credits

Introduction to Machine Learning

This course introduces the fundamental concepts of machine learning. Topics covered include support-vector machines, kernel methods, boosting, online learning, multiclass learning, ranking, regression and reinforcement learning. Students will work on projects implementing algorithms discussed in class. Prerequisites: CSCI3333 Computer Algorithms, MATH3220 Linear Algebra and MATH3303 Probability and Statistics.

CSCI3278

3 Credits

Operating Systems

Organization and architecture of computer systems. Introduction to operating systems principles. Interrelationships between operating systems and computer systems architecture. Prerequisites: CSCI2215 Introduction to Computer Science and CSCI2255 Discrete Structures.

Fall

CSCI3294

3 Credits

Data Analysis and Visualization

The course is designed to help students acquire the knowledge and skills needed to analyze information and, more importantly, draw conclusions from their analysis. Students will be introduced to a variety of software tools used to

formulate models and visualize data. This course will be offered in a problem-based environment where students will learn that by presenting data visually it is possible to uncover surprising patterns and observations that would not be apparent from looking at simple statistics alone. Prerequisite: MATH1128 Mathematical Methods or its equivalent.

CSCI3304

3 Credits

Computer Organization

Fundamentals of logic design and organization and structuring of major hardware components of computers. The mechanics of information transfer and control in a digital computer system. Prerequisite: CSCI2215 Introduction to Computer Science.

Spring

CSCI3305

3 Credits

Combinatorics

Arrangements, selections and distributions. Generating functions, partitions and recurrence relations. Inclusion-exclusion principle. Graph models and isomorphisms. Planarity, Euler and Hamilton circuits. Graph coloring. Trees and graph algorithms. Applications particularly to computer science. Prerequisite: CSCI2255 Discrete Structures or MATH2255 Discrete Structures.

CSCI3306

3 Credits

Organization of Programming Languages

The organization of existing programming languages and the run-time behavior of programs. Introduction to the formal study of program language specification and analysis.

CSCI3307

3 Credits

Object-oriented Programming

An introduction to object orientation as a fundamental problem-solving and design concept. Programming and problem solving using the "top-down" approach with object abstraction. The course is taught using Java. Prerequisite: CSCI2233 Data Structures and Algorithms.

CSCI3308

3 Credits

Translation of Computer Languages

An introduction to compiler construction. Topics include scanning, parsing, semantics and code generation, with emphasis on simple precedence and operator-precedence grammars. Prerequisites: CSCI2233 Data Structures and Algorithms and CSCI2247 Assembly Language Programming.

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CSCI3309

3 Credits

Numerical Analysis

Numerical solution of problems in analysis using the computer. Interpolation approximation, numerical integration and differentiation, solution of nonlinear equations and differential equations. Prerequisites: CSCI1205 Introduction to Computer Programming and MATH2202 Calculus II.

CSCI3312

3 Credits

Theory of Computing

Finite state deterministic and nondeterministic automata, pushdown, linear bounded and infinite automata, formal languages and computability. Prerequisite: CSCI2255 Discrete Structures.

CSCI3315

3 Credits

Software Design

An introduction to the principles of formal software design. Topics include software requirements generation, system specification, program-development techniques, programming-language issues, abstraction, information hiding, structured analysis, program documentation, testing, maintenance, reliability and security. The course will use a number of programming and writing projects and case studies to reinforce the concepts discussed. Prerequisite: CSCI2215 Introduction to Computer Science.

CSCI3316

3 Credits

Local Area Networks

Coverage of the concepts, issues and implementation of local area network hardware and software for PCs. The course includes in-depth coverage of and hands-on experience with one of the major local area network products. Prerequisites: CSCI1145 Computers and Computing and CSCI2215 Introduction to Computer Science.

CSCI3324

3 Credits

Computer Graphics

Study of the software, hardware and mathematical tools required for the presentation, manipulation and display of topological and two- and three-dimensional objects, and the application of these tools to specific problems.

CSCI3330

3 Credits

Database Management Systems

Introduction to the theory, design and implementation of database management systems. Relational, network and hierarchical models. Database processing. Role of the data administrator. Prerequisite: CSCI2253 Data Structures and Algorithms or equivalent.

CSCI3333

3 Credits

Computer Algorithms

Introduction to the study of algorithms. Topics include complexity analysis, practical algorithm development and common algorithm methods, including recursion, greedy algorithms, dynamic programming, backtracking and branch-and-bound. The course will include programming assignments implementing the algorithms discussed in class. Prerequisite: CSCI2215 Introduction to Computer Science.

CSCI3335

3 Credits

Nonnumerical Computing

An introduction to list processing and other nonnumerical techniques using the LISP programming language. Prerequisite: CSCI2233 Data Structures and Algorithms.

CSCI3344

3 Credits

Algorithms in Bioinformatics

This course covers topics in string algorithms, sequence alignment, dynamic programming, phylogeny, gene expression analysis, clustering algorithms and sequence patterns and classifiers. Laboratory will include programming and the use of online databases and search engines.

CSCI3355

3 Credits

Introduction to Cryptography

Classical and modern cryptography, cipher techniques, transposition ciphers, substitution ciphers, vigenere cipher, data-encryption standard, other classical ciphers, public key cryptography, RSA, stream and block ciphers, key management — session and interchange keys, key exchange, digital signatures, networks and cryptography, protocols — secure electronic mail, security and network layer. Prerequisite: CSCI2255 Discrete Structures or MATH2255 Discrete Structures.

CSCI3371

3 Credits

Modeling and Simulation

Definition of systems. Input, output and state variables. Continuous and discrete dynamical systems. Differential equations and their use in modeling. The CSMP language and its use. Prerequisite: MATH2202 Calculus II.

CSCI3388

3 Credits

Introduction to Game Programming Using C++

Introduces students to game-programming techniques, how to use a game library, programming input devices, 3D-game programming theory and design and bitmap handling through programming. Prerequisite: CSCI2215 Introduction to Computer Science.

CSCI3389

3 Credits

Introduction to Human-Computer Interaction

Human-computer interaction integrates the fields of computer science, cognitive psychology, arts and design. This course is an introduction to the principles of human-computer interaction, user-interface design and usability analysis of systems. Students will learn about the user-experience process lifecycle, contextual inquiry, contextual analysis, design thinking, ideation, sketching, design production, low- and high-fidelity prototyping, empirical evaluation and feedback and affordances. Students will apply these principles in weekly activities, assignments and a final project.

CSCI3390

3 Credits

Virtual Reality

Virtual reality (VR) is a display technology that provides immersive and interactive experiences. In this course, students will learn about virtual reality, augmented reality, stereoscopic rendering, VR input/output devices, 3D interaction techniques, scene fidelity, spatial tracking, presence, human factors in VR and applications of virtual reality. Students will work on developing their own virtual environments to provide interactive experiences. Prerequisite: CSCI3388 Introduction to Game Programming Using C++.

CSCI3431

3 Credits

Expert Systems and Logic Programming

Fundamentals of expert systems, applications and development techniques for representing knowledge using logic with the prolog programming language. Prerequisites: CSCI1205 Introduction to Computer Programming and CSCI2255 Discrete Structures.
Spring

CSCI3666

3 Credits

Data Communications and Computer Networks

Data communications, communication hardware technologies, local area and long-haul networks, circuit and packet switching, computer and network hardware interface, network architecture protocol, transport protocols, network layering architecture, performance issues, reliable delivery over unpredictable channels, virtual circuits, client and server model, address resolution, routing algorithms, congestion control and TCP/IP. Need NetID (formerly Web-mail) account. Prerequisite: CSCI2215 Introduction to Computer Science.

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CSCI3869

3 Credits

Network Security

Coverage of potential threats to networks. Course includes strategies to harden system against these threats and discusses the liability of the network administrator for some crimes via the network. Class concludes with strategies for pursuit when system is compromised or data is altered, removed or copied. Prerequisite: CSCI3666 Data Communications and Computer Networks.

CSCI3998

3 Credits

Artificial Intelligence

An introduction to fundamental concepts and techniques of artificial intelligence. Topics covered include problem solving, knowledge representation, reasoning and searching. Students will learn the LISP (List Processing) programming language. Prerequisites: CSCI2215 Introduction to Computer Science and CSCI2255 Discrete Structures.

CSCI4001, CSCI4002

1–3 Credits

Computer Science Internship

Supervised practical experience in the field of computer science in a professional setting. Permission of the instructor and department chair.

Fall, Spring, Summer

CSCI4391

1 Credit

Senior Project I

The first phase of a senior project is to be completed under the direction of a faculty member. The project will generally involve the development of a software system, in which case the first phase involves development of requirements and design documents, project schedule and test plan. Alternatively, the project may take the form of a cooperative education experience.

Fall

CSCI4392

2 Credits

Senior Project II

The second phase of the senior project. This may involve coding, debugging and testing of the software system being developed or a continuation of the cooperative education experience. Prerequisite: CSCI4391 Senior Project I.

Spring

CSCI4401

6 Credits (3 Credits Each Semester)

Selected Topics in Computer Science

Advanced studies in special fields of computer science.

CSCI4430

1–3 Credits Each Semester

Selected Studies in Computer Science

Studies in the area of computer science.

CSCI4477

1–3 Credits Each Semester

Honors Research and Thesis

CSCI4488

3 Credits

Advanced Game Programming Using C++

A software engineering approach to game programming, building a game engine, debugging techniques, XML (Extensible Markup Language) and scripting. Need NetID (formerly Webmail) account. Prerequisite: CSCI3388 Introduction to Game Programming Using C++.

CSCI4489

3 Credits

Design and Development of Video Games

This class is project based, where game-development students and video-game animation students work in groups to design and develop their own video games. In order to gain interdisciplinary work experience, the teams will design and develop 2D and 3D games in order to understand the production cycle found in real-world game-creation projects. Prerequisites: CSCI3388 Introduction to Game Programming Using C++ and CSCI4488 Advanced Game Programming Using C++.

Fee

CSCI4498

1–3 Credits

Co-op in Computer Science

Integration of classroom study with specific planned periods of supervised learning in productive employment experiences. A developmental process designed to combine progressive learning on the job. University course work and career-development skills. Prerequisite: permission of director of co-op.

CSCI4499

3 Credits

Co-op Computer Science

Integration of classroom study with specific planned periods of supervised learning in productive employment experiences. A developmental process designed to combine progressive learning on the job. University course work and career-development skills. Prerequisite: permission of director of co-op.

CSCI4800

1–3 Credits Each Semester

Independent Studies in Computer Science

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

CSCI4999

0 Credits

Computer Science Assessment

This course is a level-assessment test for evaluating the breadth of knowledge in the major requirement and major elective courses. No class time is allocated for this course. The test is administered once every semester.

Fall, Spring

Criminology

Department of Social Sciences and History

CMLGY1201

3 Credits

Introduction to Sociology

An introduction to sociology that explores society and culture, groups and organizations, socialization, deviance, social stratification, race and ethnicity, the family and education. (Equivalent to SOCI1201 Introduction to Sociology.)

CMLGY1210

3 Credits

Introduction to Law

Overview of substantive and procedural law and scholarly research on legal behavior and institutions. Course emphasizes the contemporary U.S. legal system, but includes discussion of comparative and historical issues. (Equivalent to GOVT1200 Introduction to Law.)

CMLGY1306

3 Credits

Introduction to Crime and Criminology

This course provides an understanding of crime and criminal justice. Students will examine theories of crime, individual and group criminal behavior and aspects of criminal justice systems from American and global perspectives. (Equivalent to SOCI2306 Crime and Criminology.)

CMLGY2030

3 Credits

Supreme Court

The Supreme Court of the United States has emerged as the most powerful tribunal in the world. It plays a major role in resolving conflicts, making policy and developing the rule of law. This class examines how history, theory, social science research, jurisprudence, public opinion and a range of social and political forces help us in understanding why and how the Court is a major force in American politics. (Equivalent to GOVT2030 The Supreme Court.)

CMLGY2203

3 Credits

Research Methods in Criminology

This course provides an introduction to the theories and methods underlying modern social sci-

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ence research across sociology, political science, economics and criminology. In this course, students will learn to assess the validity of social science research and design their own research projects using a variety of qualitative and quantitative techniques such as ethnography, content analysis, experiments and surveys. Students are required to have completed MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods and should have this level of mathematical skill in order to succeed in the required methodological course. Prerequisite: MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

CMLGY2204

3 Credits

Qualitative Research Methods

Provides students with practical research skills which will enhance their competitiveness in the job market. The course helps students design qualitative research projects using a variety of techniques such as interviews, ethnography, focus groups and content analysis. In class, students will develop research goals, observe data collection and practice conducting interviews and focus groups.

CMLGY2300

3 Credits

Wrongful Convictions

The course will examine the criminal justice system through the prism of cases in which an innocent person was convicted. It will examine the causes of proposed remedies for wrongful conviction and consider its implications for the criminal justice system as a whole. Topics will include mistaken eyewitness identification, forensic science, false confessions, prosecutorial misconduct, ineffective assistance, snitch testimony and the death penalty. The class will explore the current debate regarding the significance of the number of wrongfully convicted people who have recently been exonerated.

CMLGY2301

3 Credits

Correctional Setting Combined

This class creates a space for honest dialogue and real exchange between “inside” and “outside” students to generate new ideas and fresh solutions to problems related to crime and the administration of justice. Ten students from FDU will join a class at a prison institution with current inmates. This face-to-face experience challenges participants to re-evaluate cultural stereotypes, justice issues and to change the public opinion’s tone and attitude toward incarcerated individuals. Relevant articles and texts will explore fundamental issues of crime and justice such as what prisons are for, why people commit crime, a critical analysis of the criminal justice system, punishment versus rehabilitation, the myths and realities of prison life and issues of victims and victimization. Note: special permission required.

CMLGY2307

3 Credits

Deviance and Social Control

What is considered deviant behavior and how do certain behaviors become deviant in the eyes of society? This class will examine the social construction of deviance and the different theoretical perspectives that explain deviance. Certain forms of deviance will be examined critically, including drug use, sexual deviance and suicide. (Equivalent to SOC12307 Social Deviance.)

CMLGY2317

3 Credits

Probation and Parole: Theory and Practice

This course examines the history of probation and parole from past to present. Specifically, the class will look at the historical foundations of community-based corrections, the everyday operation of probation and parole and evaluations of the effectiveness of probation and parole.

CMLGY2333

3 Credits

Criminal Law

A basic introduction to criminal law in the United States. Emphasis is upon social factors, norms, values and social policy considerations that shape modern criminal law. Subject areas include issues such as the justification of punishment, the elements of just punishment and the death penalty as well as the study of substantive laws of homicide, rape and other criminal acts. Attention is also given to the emergence of international criminal law and the punishment of war crimes. (Equivalent to GOVT3220 Criminal Law.)

CMLGY2360

3 Credits

Victimology

This course provides an overview of the field of victimology. In this course, students will gain an understanding of the nature and extent of criminal victimization, the criminal justice system’s response to crime victims and the policy implications of victimization research. Course readings will encourage analysis of a discussion of the legal, social and political implications of criminal victimization.

CMLGY2431

3 Credits

Anthropology of Crime

This course examines murder, theft, corruption, genocide and sex trafficking from an anthropological perspective. Using cultural situations from around the globe, it investigates the complexities that generate and support crime, even while seeking to constrain and end it. Prerequisite: at least one previous course in social or behavioral sciences or criminal justice/criminology. (Equivalent to ANTH2431 Anthropology of Crime.)

CMLGY2503

3 Credits

Crime and Media

This course offers an examination of the role of the media in reporting crimes and the extent to which media coverage of crime and the criminal justice system impacts the commission of crimes and the operation of the system. It also will explore the impact media has on public perceptions of crime and society, criminals and the criminal justice system.

CMLGY2509

3 Credits

Serial Killers

This course will examine the phenomenon known as serial murder. While this type of murder is not new, the “serial killer” has become popularized in modern-day culture and in the media. In this class, students will distinguish fact from fiction. They will examine the causes of serial killing, which include various criminological and psychological theories, as well as the different types of serial murderers. They will also use various case studies to investigate the motivation of serial killers, as well as the response by the criminal justice system, which includes the investigation, prosecution and punishment of serial killers.

CMLGY2701

3 Credits

Penology

Penology is the study of punishment of criminal offenders. This class will examine justifications for punishment and the methods of punishment used in society. This course will also look at approaches to sentencing, the development of prisons and the evolution of corrections in the United States.

CMLGY2702

3 Credits

Penology from East to West

Penology is the study of the punishment of criminal offenders. This class will trace the development of the American penal system beginning with the colonial times through present day, often referred to by criminal justice experts as a time of “mass incarceration.” Students will learn about the competing goals of punishment and the unintended consequences of penal reforms. They will look at the development of prisons, the prison culture of both inmates and correctional officers, sentencing policies, probation, parole and prisoner-reentry movement. The class will also cover special topics including the punishment of drug offenders and sex offenders, particularly because these two groups have come to the forefront of penal policy. Students will consider a wide range of issues facing criminologists, criminal justice practitioners and policymakers. Some of these issues include the following: who goes to prison and why; are prisons a “breeding ground” for criminals; does probation work?; and how should society deal with sex offenders.

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CMLGY3005

3 Credits

Abnormal Psychology

This class examines the long-standing and serious forms of mental disturbance, including character disorders, brain damage, retardation and psychotic processes; central focus on classification, dynamics, symptoms and treatment, with practical experience as a companion to mental patients.

CMLGY3012

3 Credits

Crisis Intervention

This class explores the theoretical and practical responses to traumatic events (e.g., crime, domestic violence, natural disasters, medical conditions, substance abuse, suicide and suicide attempts). Further, this class also examines the strategies utilized by treatment providers and first responders, such as police and firemen, to these traumatic events.

CMLGY3017

3 Credits

Reimagining Justice: The Creation of Just Societies

This course introduces students to competing theories of justice and how these theories shape the American justice system. This course is separated into two halves. The first half covers philosophical theories of justice so that students may gain a broader understanding of how and why the U.S. justice system exists in its present state. The second half discusses competing justice system models and allows students to consider how these models differ in their philosophical underpinnings.

CMLGY3019

3 Credits

Restorative Justice

With growing evidence that the American criminal justice system is fundamentally flawed, policymakers have begun to explore alternative ways to address crime in society. One viable alternative appears to be restorative justice, a social movement and set of practices that views criminal behavior as harm against people and relationships rather than violations against the state. Students in this class will read about, debate and critically analyze whether this growing movement holds the potential for a better, more humane system of justice.

CMLGY3020

3 Credits

Race, Class and Policing in the Divided States of America

In contemporary society, the state grants police the power to use force when necessary to maintain safety and security. Racial, economic and ethnic minority citizens have disproportionately been affected by this police power. Community members living in "hot spots" of crime have

claimed that the police have targeted their communities to suppress, control and pacify their people rather than to serve and protect families living there. On the other hand, police departments have declared that their actions and policies within these same communities serve as a "thin blue line" protecting the decent citizens from those seeking to endanger them. This class seeks to clarify and inquire how we arrived at this place in American history; or perhaps how we have always been here but have chosen to ignore it.

CMLGY3030

3 Credits

Surveillance and Security

Recent revelations about data collection by actors as varied as the National Security Agency and Facebook have challenged many of the basic beliefs about power and privacy. It is increasingly clear that people's bodies, images and words are ceaselessly tracked, sorted, profiled, stored in databases and recalled by algorithms — all in the name of a loosely defined concept called "security." In this class, students will interrogate these uneasy relationships between surveillance and security, looking at both state surveillance practices as well as visual practices aimed at monitoring the state. By engaging with a broad array of media — academic research, social theory, television, film, fiction — students will debate the role of surveillance in generating security, but also focus on the ways that broad data collection can actually enable populations to act in new and beneficial ways. (Equivalent to GEOG3030 Surveillance and Security.)

CMLGY3040

3 Credits

Capture and Control

Modern democratic states often rely on practices of detention and incarceration in order to demonstrate (and increasingly, to circumvent) the power of the rule of law. As a result, international and domestic detention spaces like refugee camps, jails and for-profit prisons, war prisons, black sites, migrant detention islands, border checkpoints and protest camps are utilized in an ever-expanding number of spatial, legal and political contexts. In this course, students will explore these spaces and engage in a detailed historical and theoretical investigation of the complex and often-contradictory processes that produce them. (Equivalent to GEOG3040 Capture and Control: Geographies of Detention and Incarceration.)

CMLGY3201

3 Credits

Race and Crime

This course examines the relationship between race, crime and the justice system within America's political and social context. The course integrates critical discussion with cutting-edge research and current events on the importance

of race and ethnicity in relation to crime, the justice system and the political process. The purpose of this course is to help students build the analytic and critical skills necessary to gain deeper, better-grounded insights on the importance of issues of race, crime and justice. In this age of mass information, people are bombarded with facts, figures and opinions with little background or historical context in which to understand them. Debates are often polarized and frequently provide little evidence for one position over another. Furthermore, much contemporary discussion about racism and criminal justice emphasizes the racist acts of specific individuals — police, judges, victims, journalists and so on. This course moves beyond simplistic, individualistic ideas about race and racial bias, examining whether and how racial inequality and racism are embedded in the social and political fabric of American society as well as within its social and political institutions. Through this wider lens, students can better understand and discuss how racial disparities in crime and justice both reflect and contribute to racial and social inequality more broadly.

CMLGY3205

3 Credits

Responses to Mass Violence

This course would focus on societal responses to dealing with mass violence. Specifically, students would be exposed to examples of domestic and international episodes of mass violence and the governmental and nongovernmental responses created to redress mass violence and human-rights violations. This course would introduce concepts of transitional justice and use contemporary and historical examples from the United States, Rwanda, Cambodia and other sites where mass violence has taken place.

CMLGY3207

3 Credits

Offender Reentry and Reintegration

Offender reentry is the process of transitioning offenders from prisons/jails to the community. The class will provide students with an in-depth analysis of issues impacting offender reentry including employment, access to various forms of treatment, family reunification and housing issues as well as barriers and impediments to offender reentry.

CMLGY3250

3 Credits

Crime and Punishment in South Africa

This course examines the complex history of criminality and state response in the African subcontinent. Although the class will examine the nature of precolonial crime and punishment, the focus of the course will be on the colonial period and the apartheid era that followed. Rogues, rebels, shebeen queens, tsotsis (gangsters), highwaymen and corporate raiders all

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make appearances in this course that mixes traditional lectures with seminar-style discussions. (Equivalent to HIST3250 Crime and Punishment in South Africa.)

CMLGY3251

3 Credits

Crime and Punishment in Latin America

This upper-level course examines the changing cultural paradigms about order, crime, justice and punishment in Latin America and their impact on society and institutions. Chronologically, the course will be divided into four main sections: pre-Hispanic notions of social control and order (until the 1500s), the colonial foundations of racial and religious criminalization and repression (1500s to early 1800s), the early republican state and the modernization of the means of social control (mid-1800s to the 1930s) and crime and punishment in the 20th and 21st centuries (1930s to the present). Particular attention will be given to topics such as social-control policies, the police, narco-trafficking and crime, political crimes, genocide and justice. (Equivalent to HIST3251 Crime and Punishment in Latin America.)

CMLGY3301

3 Credits

Women and Crime

This course examines the major theoretical explanations of both female offending and victimization. It will analyze the sociological, cultural and political forces that have shaped the construction of the female offender in society. Additionally, the class will examine the role of gender in shaping the female experience within the criminal justice system as a whole.

CMLGY3305

3 Credits

Comparative Criminal Justice System: United States and United Kingdom

This course will comparatively study and analyze the criminal justice systems and philosophies of punishment in the United States and the United Kingdom. Taught in collaboration with British criminal-justice professionals and the faculty of Wroxton College, the course will examine the social, cultural, historical, political, operational and administrative components of both countries. The course will feature guest lecturers from and/or field visits to local police constabularies, the London Metropolitan Police and Scotland Yard, the Supreme Court, London's highest criminal court (the Old Bailey) and a medium-security prison.

CMLGY3307

3 Credits

Civil Liberties and Civil Rights

Analysis of Supreme Court decisions concerning speech, press, religion, rights of women, racial discrimination and affirmative action. (Equivalent to GOVT3210 Civil Liberties and Civil Rights.)

alent to GOVT3210 Civil Liberties and Civil Rights.)

CMLGY3308

3 Credits

Law and Society

Law as a determinate of social control and change analysis of legal systems and their administration with special emphasis on law affecting the poor.

CMLGY3309

3 Credits

Policy Analysis

Is Megan's Law a good policy? What about Three-strikes Laws? Many criminal justice policies have been passed due to public sentiment without proper evaluation. The goal of this class is to teach students to critically analyze, evaluate and develop sound criminal justice policies.

CMLGY3310

3 Credits

Juvenile Delinquency

This course examine the juvenile justice system in the United States, including the roles of the court, police and corrections. Current empirical evidence regarding trends in juvenile delinquency will be provided, along with a thorough examination of the theoretical causes of juvenile crime.

CMLGY3316

3 Credits

Global Terrorism

This course will provide a basis for understanding international terrorism, with a special focus on the frontlines. Students will study historical and current conflicts involving terrorism, including the Battle of Algiers, Israel and Palestine (Hamas and Hezbollah), Al Qaeda and the global war on terrorism. The class will also examine the bombings of the USS Cole, Khobar Towers and 9/11. It will look past U.S. policies and tactics such as interrogations, indefinite detention, extradition/rendition and rehabilitation/de-radicalization.

CMLGY3349

3 Credits

War and Crime

A historical and comparative analysis of social, ethnic, religious and national conflicts with special emphasis upon understanding and analyzing the customary, moral and legal regulation of armed conflict. A case-analysis approach is used to illustrate the complexity subjecting warfare to legal regimes. (Equivalent to ANTH3349 War and Crime.)

CMLGY3360

3 Credits

Forensic Psychology

This course will explore the complex interaction between psychology and the law, and it will focus on how psychologists work within the

legal arena. Criminal and civil cases will be discussed and a sampling of topics to be covered includes: jury selection, eyewitness reliability, profiling, legal insanity, forensic evaluations/reports and court testimony.

CMLGY3404

3 Credits

International Criminal Law

A review of the key concepts, processes, institutional and organizational components of the international criminal legal system. Problems to be analyzed include terrorism, crimes against humanity and war crimes, piracy, drug trafficking, and trafficking of women and children. The course examines the foundations and justification of the establishment of the mechanisms of international criminal law, the relationship between treaties and custom, the problems of sovereignty and the use of force, the emergence of international tribunals and courts for the trying of offenders.

CMLGY3841

3 Credits

Torture

This course explores a wide range of questions about a particular form of political violence practiced by many states: torture. Examining state-sponsored torture from empirical, normative and analytical perspectives over time and across political space, the class explores the what, why, when, where, how and who of torture. (Equivalent to GOVT3841 Torture.)

CMLGY3997

1-6 Credits

Internship in Criminology

Supervised internship in criminology fields with practical, experiential and academic components. More than one criminology internship may be completed.

CMLGY3998

1-6 Credits

Internship in Criminology

Supervised internship in criminology fields with practical, experiential and academic components. More than one criminology internship may be completed.

CMLGY4700

3-15 Credits

Washington Center Internship

This is a one-semester internship in Washington, D.C., through the Washington Center Internship Program. Students may register for 3 to 15 credits.

CMLGY4710

3 Credits

Post-exoneration Offending

Students will aid in data collection, coding and analysis for a research project examining wrongful convictions' aftermath.

Economics

Maxwell Becton College of Arts and Sciences
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CMLGY4844

3 Credits

Game Theory

This course is an introduction to some basic concepts in noncooperative game theory and their application to a range of problems in several social-science disciplines, including economics, criminology, political science and sociology. Prerequisite: MATH1107 Precalculus or MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods or higher.

CMLGY4845

3 Credits

Agents in the Matrix: Creating and Analyzing Agent-based Models

This course introduces students to a powerful transdisciplinary computational tool for exploring complex systems: a large number of autonomous agents interacting independently without central control. Rooted in mathematics and computer science, agent-based modeling (ABM) is one of the most widely used methodologies for simulating complex systems by drawing on computing power to run experiments. The introduction to ABM in this course is more than just learning about the methodology; students will also learn how to design, program, execute and analyze their own ABM and then write up and present the results. Prerequisite: MATH1107 Precalculus or MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods or higher. (Equivalent to ECON4845/GOVT4552 Agents in the Matrix: Creating and Analyzing Agent-based Models.)

CMLGY4900

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

CMLGY4901

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

CMLGY4902

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

CMLGY4903

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Economics

Department of Social Sciences and History

ECON1111

3 Credits

Introduction to Economics

Introductory survey of modern economics. The course offers a basic working vocabulary in economics and relies on a minimal amount of mathematical expression for students with no previous exposure to the field. Among the central concepts broached are markets and regulation, trade and tariffs, fiscal and monetary policy, distribution and redistribution.

ECON2001

3 Credits

Introduction to Microeconomics

Problems of consumer behavior and demand, the allocation of resources of production, factor pricing and market conduct under pure competition, imperfect competition, oligopoly and monopoly.

ECON2102

3 Credits

Introduction to Macroeconomics

A comprehensive introduction to macroeconomics. The concept of national income analysis, the theory of determination of income and employment, problems of fiscal and monetary policy and aspects of international trade. Prerequisite: ECON2001 Introduction to Microeconomics.

ECON2203

3 Credits

Intermediate Macroeconomics

The determination of national income, inflation, unemployment and interest rates using classical, Keynesian, monetarist, new classical, new Keynesian and supply-side economics. Monetary and fiscal policy alternatives. Prerequisite: ECON2102 Introduction to Macroeconomics.

ECON2204

3 Credits

Intermediate Microeconomics

The theory of demand, economics of the firm, cost, price and distribution. Prerequisite: ECON2001 Introduction to Microeconomics.

ECON2206

3 Credits

Economic History of the United States

An empirical and theoretical analysis of the economic and financial growth of the United States, including changes in the industrial structure, technology and level of national product. Prerequisites: ECON2001 Introduction to Microeconomics, ECON2102 Introduction to Macroeconomics or the instructor's permission.

ECON2207

3 Credits

Introduction to Econometrics

Quantitative analytical methods, combining economic theory, mathematics and statistics. Prerequisites: ECON2203 Intermediate Macroeconomics, ECON2204 Intermediate Microeconomics or the equivalent.

ECON2208

3 Credits

International Trade

Theoretical and practical aspects of world trade; studies of comparative cost advantages, tariff policies, balance of payments, foreign exchange market, foreign investments, foreign trade promotion and trade agreements. Prerequisite: ECON2102 Introduction to Macroeconomics.

ECON2250

3 Credits

Economic Methods

This course provides an introduction to the theories and methods underlying modern social science research across sociology, political science, economics and criminology. In this course, students will learn to assess the validity of social science research and design their own research projects using a variety of qualitative and quantitative techniques such as ethnography, content analysis, experiments and surveys. Students are required to have completed MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods and should have this level of mathematical skill in order to succeed in the required methodological course. Prerequisite: MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

ECON3307

3 Credits

Public Finance

Government in a mixed economy and its impact on the individual, the firm and the market. Prerequisites: ECON2001 Introduction to Microeconomics and ECON2102 Introduction to Macroeconomics.

ECON3310

3 Credits

Current Economic Problems

Economic (national and international) problems facing the United States.

ECON3314

3 Credits

The Russian Economy

Economic developments in the former Soviet Union since 1917, including Soviet economic planning and the post-Soviet transition.

English Language and Literature • Film and Animation

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ECON3315

3 Credits

Economics of the Near and Middle East

Geographical, cultural, social and other factors influencing the economic development of individual countries, as well as the entire area.

ECON3319

3 Credits

Politics of the Global Economy

Studies the relationship between political events and economic actions on the international economy.

ECON3366

3 Credits

Government and Business

The economic position of the United States government with respect to economic policy, including government regulation of business, growth, stability and the redistribution of income. Prerequisite: ECON2102 Introduction to Macroeconomics.

ECON4075

1–3 Credits Each Semester

Honors Seminar

ECON4401

3 Credits

Economics Seminar

Seminar on a topic selected by the instructor. Prerequisite: the instructor's permission.

ECON4421

3 Credits

Selected Studies in Economics

Studies in an area of economics. Prerequisites: ECON2001 Introduction to Microeconomics and ECON2102 Introduction to Macroeconomics.

ECON4430

1–3 Credits Each Semester

Selected Studies in Economics

Studies in an area of economics or regional studies.

ECON4461

3 Credits

Economic Sociology

Means, mechanisms and ways people understand their relationship to production, consumption and the distribution of goods, commodities and, most importantly, value. Note: Blended course. Meets in person and online. Equivalent to SOCI4461 Economic Sociology.)

ECON4477

1–3 Credits Each Semester

Honors Research and Thesis

ECON4800

3 Credits Each Semester

Independent Study in Economics

ECON4844

3 Credits

Game Theory

This course is an introduction to some basic concepts in noncooperative game theory and their application to a range of problems in several social-science disciplines, including economics, criminology, political science and sociology. Prerequisite: MATH1107 Precalculus or MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods or higher.

ECON4845

3 Credits

Agents in the Matrix: Creating and Analyzing Agent-based Models

This course introduces students to a powerful transdisciplinary computational tool for exploring complex systems: a large number of autonomous agents interacting independently without central control. Rooted in mathematics and computer science, agent-based modeling (ABM) is one of the most widely used methodologies for simulating complex systems by drawing on computing power to run experiments. The introduction to ABM in this course is more than just learning about the methodology; students will also learn how to design, program, execute and analyze their own ABM and then write up and present the results. Prerequisite: MATH1107 Precalculus or MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods or higher. (Equivalent to CMLGY4845/GOVT4552 Agents in the Matrix: Creating and Analyzing Agent-based Models.)

ECON4900

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

ECON4901

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

English Language and Literature

*Department of Literature,
Language, Writing and Philosophy*

*See Literature, pages 336–341, and
Writing and Creative Writing,
pages 367–369.*

Film and Animation

School of the Arts

Animation

ANIM1300

3 Credits

Writing for Animation

Any memorable animation starts with a story. This course teaches how to transform basic ideas into animated stories by learning to write for visual media. While nurturing their individual writing style, students learn to develop premises, outlines and final scripts for animation in proper industry standard format. How to structure plots, create tone and build themes are covered in this course.

Fee

ANIM1400

3 Credits

Character Design

Character design takes place during the initial production stages of animated films and video games and plays a crucial role in the creation and success of those projects. Students in this class learn the process of designing imaginative original characters by creating character-development documents, which consist of sketched and digitally enhanced poses and facial expressions assembled into model sheets along with written character biographies. These materials, which are typically utilized in the industry, aid in defining the appearance, poses and behavior of an animated character.

Fee

ANIM1500

3 Credits

Storyboarding

In this class, students learn to produce storyboards, which are a series of sketches displayed in sequence for the purpose of pre-visualizing an animation, after which they assemble those sketches into animatics to establish timing and pacing. Students brainstorm together, just as a creative team would do in the industry, by arranging and rearranging their sketches in order to evoke stronger reaction or interest based on their classmates' input and feedback. Through this process, students consider modifications in their storylines as well as additional scenarios that may contribute to the enhancement of their ideas.

ANIM1501

3 Credits

Fundamentals of Animation Principles

This course teaches the principles of animation used to produce the illusion that the characters

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in an animation are following the basic laws of physics. Students learn how to show weight and flexibility while also emphasizing and exaggerating abstract issues, such as emotional timing and character appeal. Portraying natural motion and anticipation in order to prepare the audience for an action, as well as how to direct the audience's attention, is covered in this course. Topics include timing, speed, momentum, secondary action, anticipation, follow through, weight, balance, mood, emotion and personality.

Fee

ANIM1502

3 Credits

Introduction to Stop Motion Animation

This course will explore the techniques used to produce stop motion animation and study the procedures for creating armatures and joints used in traditional 3D animation. Students will design and create characters from clay, plastic, foam and/or latex, manipulating them frame-by-frame to bring the characters to life. Through the creation of these projects, students will learn the history, secrets and tricks used to produce animation using tangible 3D media.

Fee

ANIM1650

3 Credits

Game Design

By studying the evolution and history of video games, students learn to plan the visual and interactive content, goals, game play and the rules of their own game ideas. This course also teaches how art specifications can conflict with technical constraints and how some ideas might be impractical to build. Students write in-depth game-design documents, where elements such as story, setting, character development, logical flow and levels are planned, and unforeseen issues are dealt with through modification of the paper design based on class critiques and feedback.

ANIM1750

3 Credits

Motion Graphics with After Effects®

By learning how to animate virtually every aspect of an element using Adobe® After Effects®, students create high-impact communications combining moving imagery, graphics, video, text and sound. This course focuses on manipulating moving images, dynamic effects and compositing techniques to produce animated content for virtually any media. The focus is on quality design and animation targeted at high-end, commercial-style production. Color management and enhancement tools used in the manipulation of photos and videos while preserving clarity and color integrity are also covered in this course.

Fee

ANIM1800

3 Credits

Vector Animation Using Animate CC

This course teaches how to design interactive animations using Adobe Animate CC's innovative drawing tools and publish them to multiple platforms. Students learn to recognize and implement the basic principles of animation into their projects. The focus is on learning the vector animation toolset and the motion editor to create multifaceted animations targeted at mobile devices as well as today's ultra-high-resolution displays.

Fee

ANIM1850

3 Credits

3D Computer Modeling

This course is an introduction to the 3DS MAX software interface and its various features. The focus is on learning how to build high-detail 3D models, create and apply high-quality textures and implement lighting and cameras. Students create manmade and organic objects and learn to effectively critique their own as well as their classmate's work.

ANIM2100

3 Credits

Tradigital Animation

This course teaches a mixed-media approach of using the computer to seamlessly combine two- and three-dimensional animation. Students learn to merge studio art media with digital animation to produce free-flowing traditional style animation that is completely digital. Emphasis is on the emerging movement of exploring technologies that blend computer animation with classical cell-animation techniques. Prerequisite: ART1201 Drawing I.

Fee

ANIM2240

3 Credits

Low Poly 3D Modeling

This introductory course focuses on the design and creation of low polygon 3D models and textures as they relate to interactive-game production. Students learn to create assets that fit within the guidelines, limitations and goals of those capable of being utilized in 3D engine platform games. This course teaches students how to plan ahead so when producing models for interactive use they will be as low poly as possible, yet still look as high quality as possible in-game.

ANIM2243

3 Credits

Advanced After Effects®

Students take their motion graphics skills to the next level by animating, editing and compositing media in both 2D and 3D space in this course. They also learn to produce impressive digital effects and composite artwork with live-action footage using finely tuned keying techniques.

Topics include advanced visual effects, particle systems, high-end 3D layers, lighting, depth of field, cartoon character rigging and puppeting, morphing and motion tracking. Prerequisite: ANIM1750 Motion Graphic with After Effects®.

Fee

ANIM2245

3 Credits

3D Character Modeling

Characters are an integral part of many film and video game projects. In this course, students learn to design and create segmented and seamless 3D characters using a variety of 3D Studio MAX's modeling and texturing techniques. The detailed designs and complex techniques that will be learned in this course are necessary in making characters come to life. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

ANIM2270

3 Credits

ZBrush Digital Sculpting Human Anatomy

This class teaches digital sculpture by learning how to create ultra-realistic, lifelike 3D characters using ZBrush. The focus is on planes, anatomy, form, rhythm and proportion while learning how to add a high level of detail to polygonal meshes utilizing the application tools. Digital sculpting techniques and texture painting are discussed and taught through a variety of demonstrations, exercises and in-depth assignments. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

ANIM2285

3 Credits

3D Asset Creation for Video Games

The course teaches students how to design, create and import 3D models into a game-mesh renderer that mimics the settings found in today's popular game engines. Learn to create and organize asset libraries and properly assign textures and materials to those elements. Convert texture layers created in graphics programs to normal maps and other types of maps, such as ambient occlusion and cavity maps, which are necessary for producing fast and efficient high-quality game renderings. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

Fee

ANIM2300

3 Credits

Texturing for 3D Production

The course focuses on in-depth analysis of texture principles, materials, color, characteristics, properties and their application in 3D computer artwork. Students develop a fundamental understanding of material identification and texture creation. Emphasis is placed on the ability to examine real-world textures and identify each

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characteristic found in those materials. Learning how to properly apply and adjust alignments using various texture-mapping techniques is also covered in this course. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

Fee

ANIM2500

3 Credits

3D Computer Animation

The course teaches the basics of 3D animation, including physics, substance, reaction and force. Topics include keyframing, function curves, motion paths, dope sheets, aesthetics and limited special effects. After first sketching and refining storyboards that communicate their ideas, students then move on to the computer phases of the projects. They are expected to produce animations that emulate real-world physics as well as exhibiting mood and symbolism. Everyone in the class participates in critiques of their own, as well as their classmate's, work. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

Fee

ANIM3225

3 Credits

Vector Animation II

This course builds on the skills learned in ANIM1800 Vector Animation Using Animate CC. The emphasis is on a broader use of the vector animation toolset and the motion editor to generate engaging animations. Students learn to increase their attention to detail and study the intricacies of creating sophisticated animated pieces. Prerequisite: ANIM1800 Vector Animation Using Animate CC.

Fee

ANIM3250

3 Credits

3D Particle Animation and Effects

This course teaches how to create, control and optimize various types of 3D particle systems within Autodesk's 3DS MAX. Students learn how to effectively implement special effects such as fire, explosions, fluids, dust, bubbles, disintegration, physics, collisions, etc., into their 3D scenes and animations. Prerequisite: ANIM2500 3D Computer Animation.

ANIM3330

3 Credits

3D Environment Modeling

This course focuses on taking all aspects of 3D modeling, lighting and texturing learned in previous courses to a higher level. By creating detailed 3D environments, students gain a greater understanding of the software tools and how to manipulate the complex details of each to improve the visual aesthetics of their finished renders. How to see the flaws and identify areas of

improvement in their own works as well as their classmates' pieces is discussed in class critique sessions. Prerequisite: ANIM1850 3D Computer Modeling or ANIM2240 Low Poly 3D Modeling.

Fee

ANIM3331

3 Credits

Logo and Product Animation

Students design logos and work with a variety of types of animation and special effects to create commercial-style animation. Prerequisite: ANIM2500 3D Computer Animation.

Fee

ANIM3341

3 Credits

Character Animation Using CAT

This course teaches students how to apply and manipulate the basic character animation techniques found within the CAT tool set. Students learn how to rig, add muscles, create facial morphs and apply and adjust the Physique and Skin modifiers, which perform the mesh deformation necessary to move the character throughout the 3D scene. How to work with and combine the various CAT layers to produce smooth, believable animation is covered in this course. The details of secondary motion, follow through and asymmetrical poses to emulate life-like body gesture and facial expression are discussed and critiqued. Prerequisite: ANIM2500 3D Computer Animation.

Fee

ANIM3345

3 Credits

Advanced Character Animation

This class builds on the character rigging and animation skills learned in the previous CAT course. Students continue to develop the artistic and technical skills necessary to become successful character animators by concentrating on the critical principles of animation like motion area, weight, overlapping motion, subtleties using animation layering and muscle simulation. The focus is on how to increase empathy for their animated characters by better displaying feelings of happiness, desolation and distress and articulating the personality and emotion to the audience. Prerequisite: ANIM3341 Character Animation Using CAT.

Fee

ANIM3345

3 Credits

Custom 3D Character Rigging and Animation

Students will study rigging, skinning and animating characters using 3D Studio MAX's bones and skinning techniques and learn how to adjust envelopes and weight tolerances, and to animate using traditional inverse-kinematics. They will add basic emotion through facial ex-

pression using morph targets, sub-level polygon animation and animated textures. Students will sketch their character designs and storyboard the animation before moving on to producing a short 3D character animation that will focus on both primary and secondary motion. Prerequisite: ANIM2500 3D Computer Animation.

ANIM3350

3 Credits

3D Game Creation Using Unreal

This course teaches students how to use the Unreal game engine, which is a unified suite of tools for constructing every aspect of video games. Students will design and produce original 3D gameplay by integrating their ideas into interactive prototypes and simulated 3D environments. Other topics include rendering UI, level building, animation, visual effects, physics and asset management. Prerequisite: ANIM2500 3D Computer Animation.

ANIM3450

3 Credits

3D Game Creation Using Unity

Students learn to integrate their game ideas into Unity's powerful rendering engine. This course teaches how to use Unity's animation system to bring characters and objects to life inside of a gaming environment. Students also utilize the tools provided to create interactive 3D and 2D graphic content while learning how to reduce the time needed to create visually stunning games. The focus of this course is on how to assemble scenes used in creating games containing high-quality visuals, audio and realistic action that performs well on any platform. Prerequisite: ANIM2500 3D Computer Animation.

Fee

ANIM4100

3 Credits

Design and Development of Video Games

This class is project based, where game development students and video game animation students work in groups to design and develop their own video games. In order to gain interdisciplinary work experience, the teams will design and develop 2D and 3D games in order to understand the production cycle found in real-world, game-creation projects. Prerequisites: ANIM1650 Game Design and ANIM2500 3D Computer Animation.

Fee

ANIM4422

1-3 Credits

Internship in Animation I

Intern at a company or organization, in an animation, interactive multimedia, web design or graphic design facility for between five and 20 hours per week. Prerequisites: permission of instructor and department chairperson.

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ANIM4423

1–3 Credits

Internship in Animation II

A continuation of ANIM4422 Internship in Animation I. Students will enter a new internship site or continue at a previous production or postproduction facility. Prerequisites: permission of instructor and department chair.

ANIM4500

3 Credits

Thesis I

This course is designed to prepare film and animation majors for exit from the program. It requires the student to write proposals and scripts, sketch storyboards and begin creating original 3D models for their thesis project. Prerequisite: permission of program director.

Fee

ANIM4600

3 Credits

Thesis II

The course requires students to complete, present and screen their thesis projects. Prerequisite: ANIM4500 Thesis I.

Fee

ANIM4800

3 Credits

Independent Study in Animation

Students will work independently on a special animation project or topic, which will be approved by the supervising professor.

ANIM4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

ANIM4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: ANIM4900 Faculty/Student Research.

ANIMH1202

3 Credits

History of Special Effects and Animation

Students investigate and analyze the history and evolution of special effects and techniques while applying that understanding to modern-day visual effects and animation. Starting with camera methods, this course covers topics that include traditional stop motion, claymation, camera-motion control, matte paintings, rotoscoping, models and miniatures. This class also explores modern computer-generated visual effects, animation, compositing and production techniques.

Film

FILM1004

3 Credits

Filmmaking I for High School Students

A foundation is established in understanding the creative possibilities in film production and basic visual communications. Television and film techniques in camera, story and editing are stressed. Mini-productions in narrative, documentary, interview format, along with technical understanding of basic concepts in production. (Equivalent to FILM1005 Filmmaking I: Basic Production.)

Fee

FILM1005

3 Credits

Filmmaking I: Basic Production

The language of cinema. Techniques in camera, story and editing are stressed. Narrative and documentary productions are assigned, as the class pursues both an understanding of basic production and storytelling concepts. (Equivalent to FILM1004 Filmmaking I for High School Students.)

Fall, Spring

Fee

FILM2006

3 Credits

People at Work: The Psychology of the Office

Throughout their lives, most people will spend more time at work interacting with strangers than in any other activity. These interpersonal activities give rise to many situations and interactions that are — from a psychological perspective — unique and study-worthy. Using the popular TV series “The Office” as a case study, this course will explore the psychological and sociological dimensions of the office as a workplace and examine the personalities, interactions, emotions and behaviors that exist in the work environment.

FILM2007

3 Credits

Abnormal Psychology in Film

The purpose of this course is to use film as a vehicle to gain an understanding of abnormal psychology. The course objectives will include the following: to introduce basic concepts and theories of abnormal psychology, to explore historical and current perspectives across theoretical perspectives of abnormal psychology and to relate the above to various treatments and interventions.

FILM2009

3 Credits

Filmmaking as a Tool for Social Change

Designing powerful cinematic imagery that addresses critical social issues is now available,

even to nonprofessionals. Filmmakers can learn to use their work to increase public awareness of a variety of social issues across the globe as well as on an individual basis. Through a combination of craft and tools, students will learn how to communicate a powerful message with film, using light, inexpensive equipment. This course will explore how film has been an agent of change and how these tools can be used.

FILM2208

3 Credits

Filmmaking II: The Professional Crew

Techniques of the professional crew. This course focuses on preproduction, production, working as a team and at reaching an understanding of all the crafts and crew positions that go into production. Script breakdowns, scheduling and advanced production techniques such as sound mixing, booming, lighting and camera work, as well as beginning editing skills are the focus of this class. Prerequisite: FILM1005 Filmmaking I: Basic Production.

FILM2210

3 Credits

Postproduction I

The course presents advanced nonlinear editing approaches to film and video through the use of practical assignments and introducing a knowledge of the history of film editing and its practice. Prerequisite: FILM2208 Filmmaking II: The Professional Crew.

Fee

FILM2214

3 Credits

Audio for Film and Video

Learn the basics and aesthetics of film/video sound and music. The class will involve workshops and lectures in recording live sound, postproduction mixing and sound design. Prerequisite: FILM2208 Filmmaking II: The Professional Crew.

Fee

FILM2216

3 Credits

The Radio Documentary

Students will study and create in the unique form of the radio documentary. Starting with audio source material and research, the class will prepare long-form news stories and documentary features, and learn how to use audio for dramatic effect. Work will culminate in the creation of a program designed to work through its effective use of audio. The class will also visit production companies to meet with creators of audio content and to gain from their knowledge and experience. All efforts will be made to have the student-produced work broadcast on a local radio station. Prerequisite: COMM2214 Introduction to Broadcasting.

Film and Animation

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FILM2250

3 Credits

Screenwriting I

Students learn the basics of screenplay structure, character development, dialogue, rising and falling action, conflict and resolution by writing scripts and reading and analyzing successful screenplays. Students complete short scripts that may be used in other classes as shooting assignments. (Equivalent to CREW2250 Screenwriting I.)

FILM2251

3 Credits

Screenwriting II

Advanced techniques of writing for motion pictures. Emphasis is placed on writing the feature screenplay. Students look deeper at character flaws and reversal, fine-tuning their creative voice and style and the development of a story that is worthy of someone giving up two hours of their life. Students will complete a feature-film screenplay. Advanced students also deal with the realities of marketing their work.

FILM2255

3 Credits

TV News and Magazine Production

Students will learn how to identify, develop and produce single-camera field productions for TV spot news, TV news feature stories and TV news magazine segments. Students will write, direct, shoot and edit in a fast turnaround schedule common in the TV news industry. Prerequisite: FILM1005 Filmmaking I: Basic Production.

FILM3109

0 Credits

Film and Actors Lab

A laboratory to provide a meeting time for collaboration between film directors, cinematographers and actors. The course will run to facilitate those taking DAN3316 Stage Combat I, FILM3209 Filmmaking III: Mastering the Art and Craft of Film Production and FILM3214 Cinematography: Camerawork, when these courses are run concurrently. Corequisite: DAN3316 Stage Combat I, Filmmaking III: Mastering the Art and Craft of Film Production or FILM3214 Cinematography: Camerawork.

FILM3209

3 Credits

Filmmaking III: Mastering the Art and Craft of Film Production

A continuation of the filmmaking sequence. Student stories and productions are pursued. The focus of this course is on individual project design and management, stressing new and advanced production techniques.

FILM3211

3 Credits

Cinematography: Lighting

Lighting is what creates mood, depth and believability on the screen. This class covers both

the art and the craft of lighting — from the physics of light and basic electricity to lighting units, film lighting styles and professional techniques. Students learn from in-class lighting demonstrations, out-of-class lighting assignments, watching and discussing the lighting techniques of the masters in cinematography. Prerequisite: FILM2208 Filmmaking II: The Professional Crew.

Fee

FILM3212

3 Credits

Postproduction II

A continuation of FILM2210 Postproduction I. In-depth aesthetic exploration using nonlinear editing styles and procedures, including planning special effects and their implementation in digital postproduction. Prerequisites: FILM2208 Filmmaking II: The Professional Crew and FILM2210 Postproduction I.

Fee

FILM3214

3 Credits

Cinematography: Camerawork

Advanced study of camera work from angles, frame composition, filters and camera movement to exposure, focus and lenses. Course will include viewing and discussion of camera work in film, video and television as well as practical, in-class exercises and critiques. Students will also learn about film stocks and development processes by shooting 16mm in-class assignments and will examine the work of famous significant directors of photography.

Fee

FILM3253

3 Credits

Screenwriting III: Feature Films

An advanced course focusing on the art of writing feature films. Students will delve into how films of a longer length, greater depth and increased character development are researched and written. They will be expected to work on films of a feature length and master the art of story on a deeper level than in previous courses. Prerequisite: FILM2251 Screenwriting II.

FILM3303

3 Credits

Advanced Screenwriting I

For students who are seriously interested in developing as writers for film. Full-length screenplay to be started.

FILM3304

3 Credits

Advanced Screenwriting II

This course is a continuation of FILM3303 Advanced Screenwriting I. Full-length screenplay to be completed.

FILM3363

3 Credits

Film Directing

The advanced student will study both the theory and techniques of directing the narrative film.

Fee

FILM3401

3 Credits

Advanced Cinematography

This course will cover advanced subjects and techniques in cinematography and lighting, and delve into the work of noted cinematographers. Subjects will include blocking for the camera, planning effective camera movement, creating cinematographic styles and the use of an artistic color palette for narrative film. Prerequisite: FILM3214 Cinematography: Camerawork.

Fee

FILM3425

3 Credits

16mm Motion Picture Photography

Course will cover techniques, properties and artistic applications of shooting motion picture film as well as the operation of the 16mm film camera. Film stocks, contrast, grain, color range, special processing such as pushing, flashing and bleach bypass will also be discussed. Students will learn from in-class shooting exercises, viewing of dailies, visits to Kodak and discussions with cameramen as well as screenings and lectures.

FILM3426

3 Credits

Producing Movies

The business of motion picture production. What is the role of producer as both artist and business person? Emphasis will be on the financing of film and media projects, assembly of creative team and analysis of material from the producer's perspective. The class will look into budgets and how to plan film and television production, with an emphasis on the role of the producer and the creative organizational techniques of producing.

FILM3427

3 Credits

Distributing Movies and Media

Finding the audience and the market. How does a film, television or media project move from concept to market? This class will focus on the marketing and distribution of films across multiple platforms and methods of exploitation. It will study both traditional and new methods of exploiting media, from working with large established companies to self-distribution.

FILM3430

3 Credits

Reality TV Production

Reality TV is now an undeniable part of popular culture both in the U.S. and abroad and has become a major successful genre in television.

Film and Animation

Maxwell Becton College of Arts and Sciences
Florham Campus

Students will learn the unique production procedures that shooting a reality TV show requires by examining the long-running, Emmy-nominated and internationally popular TV series "Project Runway." Students will learn firsthand by using "Project Runway" as a model to create, produce and edit their own reality series that will then be aired on the FDUTV YouTube channel. Prerequisite: COMM3349 Introduction to Television or FILM1005 Filmmaking I: Basic Production.

FILM3462

3 Credits

Advanced Production

This course will deal with problems experienced in the production of features and documentaries.

FILM3800

1-6 Credits

Junior Independent Study

Independent study in film at the junior level.

FILM4001

3 Credits

Faculty/Group Student Research

Members of the faculty engage in research projects with a select group of students with the goal of professional publication or presentation.

FILM4005

1 Credit

Entering the Freelance World

This course is designed to address career readiness for film majors. Students will learn how to prepare themselves for freelance work and for all aspects of professional life. This will include how to network and find work, keep records for tax purposes (freelancers are independent contractors), including invoicing and collecting from clients. Students will also learn the job expectations of a production assistant as well as on-set work ethics and professional behavior. The course will include guest speakers from the industry, such as working alumni and a production manager. Upon completion of this course, students will be better prepared for looking for and succeeding in gaining freelance work in the entertainment industry. Prerequisite: FILM3209 Filmmaking III: Mastering the Art and Craft of Film Production.

FILM4311

3 Credits

Producing and Directing the Thesis Film I

This course is designed to prepare film majors for exit from the program. Each student will create an original narrative or documentary production or other approved project, at short or feature length. Prerequisite: FILM2210 Postproduction I, FILM3209 Filmmaking III: Mastering the Art and Craft of Film Production or permission of department chair.

Fall, Spring

Fee

FILM4312

3 Credits

Producing and Directing the Thesis Film II

This course is designed to prepare film majors for exit from the program. Each student will create an original narrative or documentary production or other approved project, at short or feature length. Prerequisite: FILM4311 Producing and Directing the Thesis Film I.

Fall, Spring

Fee

FILM4409

3 Credits

Music Scoring for Film-Video

Students will study the basic elements of music as well as the fundamental techniques of scoring, the use of MIDI and current computer technology. The course is designed for students with video and film backgrounds as well as those with a very specific musical background.

FILM4422

3 Credits

Internship in Film I

Intern at a company or organization, in a production or postproduction facility, for between 5-20 hours per week. Prerequisites: permission of instructor and department chair.

FILM4423

3 Credits

Internship in Film II

A continuation of FILM4422 Internship in Film I. Students will enter a new internship site or continue at a previous production or postproduction facility. Prerequisites: permission of instructor and department chair.

FILM4461

3 Credits

Documentary Filmmaking

This course is for the filmmaker whose interest is primarily in creating documentary footage that explores a wide range of issues, whether social, economic and/or political. Prerequisite: FILM2208 Filmmaking II: The Professional Crew or email hoffman@fdu.edu for permission.

Fee

FILM4463

3 Credits

Sports Video Production

This course is designed for the student primarily interested in the exploration of the general and aesthetic issues of the sports world. Prerequisite: FILM2208 Filmmaking II: The Professional Crew and FILM2210 Postproduction I.

Fee

FILM4465

3 Credits

Client-driven Production I

Working with nonprofit, corporate and government organizations. Students gain real-world ex-

perience working on productions for corporate clients or for nonprofit or government organizations. Students handle production concepts, scripts and fill the roles of scriptwriters, camera operators, production managers, sound-mixer, boom, editor, etc., resulting in a training, corporate image or marketing-type film.

Fee

FILM4466

3 Credits

Producing the Digital Film I

Students will participate in all areas of producing a feature film. Based on scripts submitted by filmmakers of some renown, the class seeks to produce a digital film that will receive theatrical distribution. Students will handle responsibilities on and off the set and gain experience working with a professional filmmaker. Prerequisite: FILM2208 Filmmaking II: The Professional Crew or permission of instructor.

Fee

FILM4467

3 Credits

Producing the Digital Film II

Students will participate in all areas of producing a feature film. Based on scripts submitted by filmmakers of some renown, the class seeks to produce a digital film that will receive theatrical distribution. Students will handle responsibilities on and off the set and gain experience working with a professional filmmaker. Prerequisite: FILM2208 Filmmaking II: The Professional Crew or permission of instructor.

FILM4470

3 Credits

Client-driven Production II

Working with nonprofit, corporate and government organizations. Students gain real-world experience working on productions for corporate clients or for nonprofit or government organizations. Students handle production concepts, scripts and fill the roles of scriptwriters, camera operators, production managers, soundmixer, boom, editor, etc., resulting in a training, corporate image or marketing-type film. Prerequisite: FILM4465 Client-driven Production I.

Fee

FILM4800, FILM4801, FILM4802, FILM4890, FILM4891

1-3 Credits Each Semester
Independent Study

FILM4900

3-12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

French Language and Literature

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FILM4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: FILM4900 Faculty/Student Research.

French Language and Literature

*Department of Literature,
Language, Writing and Philosophy*

FREN1001

3 Credits

Beginning French I

An introduction to the language with practice in reading, writing and conversation. Corequisites: FREN1007 French Practicum I and FREN1008 French Practicum II.

FREN1002

3 Credits

Beginning French II

An introduction to the language with practice in reading, writing and conversation. Prerequisite: FREN1001 Beginning French I or departmental permission.

FREN1007

1 Credit

French Practicum I

This one-credit course is linked to FREN1001 Beginning French I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: FREN1001 Beginning French I.

FREN1008

1 Credit

French Practicum II

This one-credit course is linked to FREN1002 Beginning French II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: FREN1002 Beginning French II.

FREN2003

3 Credits

French Conversation I

Course focuses on conversation through writing, reading, literature and grammar. Note: FREN2003 French Conversation I and FREN2004 French Conversation II may be taken in any order.

FREN2004

3 Credits

French Conversation II

This course reviews important grammar topics and discusses contemporary issues in France.

Note: FREN2003 French Conversation I and FREN2004 French Conversation II may be taken in any order.

FREN2005

3 Credits

French Film

This bilingual course studies the evolution of French film with special emphasis on the contemporary period. It studies various movements in literature and the visual arts as they relate to film. (Equivalent to CINE2005 French Cinema.)

FREN2006

1 Credit

French Film Workshop

Writing and discussion in French of contemporary French films. Corequisite: FREN2005 French Film.

FREN2007

3 Credits

Francophone Current Events: Writing and Conversation

Taught in French, this course focuses on current events in the French-speaking world as a springboard for writing and conversation. Prerequisite: FREN1002 Beginning French II.

FREN2008

3 Credits

Writing in French

Students read and write in a variety of content areas. Emphasis is on written expression, building vocabulary and grammar. Prerequisite: FREN2003 French Conversation I, FREN2004 French Conversation II or departmental permission.

FREN2203

3 Credits

Contemporary France

A bilingual course, it discusses current issues on politics, the European Union, society and language related to France and its former colonies.

FREN3005

3 Credits

French Conversation and Translation

Advanced conversation course that focuses on translation techniques in several media.
Fall

FREN3007

3 Credits

French Culture and Civilization

This bilingual course introduces key topics in French history, politics, arts and literature as well as the sciences. It will also address contemporary issues in French culture.

FREN3010

3 Credits

Advanced French Grammar

This course focuses on intensive grammar review, sentence structure, building vocabulary and perfecting composition skills. Prerequisite: FREN2003 French Conversation I or FREN2004 French Conversation II.

FREN3051

3 Credits

Sex and Politics in French Literature

This course focuses on manners at court and beyond — from the 18th century to the end of the 19th century. Among the authors considered are Molière, Laclos, Marivaux, Dumas, Stendhal, Balzac, Baudelaire and Zola. Prerequisite: ENGW1002 Composition II: Research and Argument.

FREN3432

3 Credits

Advanced French Composition

Composition and essay writing are the main focuses of this course. Grammar topics are reviewed as students write on a variety of issues.

FREN3452

3 Credits

Writing in French

Students read and write in a variety of content areas. Advanced grammar is reviewed as students expand their vocabulary and improve their written expression. Prerequisite: FREN2003 French Conversation I, FREN2004 French Conversation II or permission of department chair.

FREN3502

3 Credits

French Translation

This course focuses on translating written material.

FREN3551

3 Credits

Topics in French Literature I

This course focuses on the literature of the Middle Ages through the Enlightenment in France.

FREN3552

3 Credits

Topics in French Literature II

This course focuses on Romanticism, Realism, Modernism and other contemporary themes in Francophone literature.

FREN3666

3 Credits

Witches and Warlocks in the Western World

This course focuses on the definition of who and what is a witch, both in Europe and in North America, from the Middle Ages to the 20th century. Note: meets literature elective and culture course requirement.

Geography • German Language and Literature

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FREN4001

3 Credits

Senior Seminar

A seminar for seniors, the course focuses on writing and research in French themes. Students are required to write a mini thesis and make an oral presentation in class. Prerequisite: FREN2003 French Conversation I.

Geography

Department of Social Sciences and History

GEOG1102

3 Credits

Geography and World Issues

This is an introductory course in geography, a discipline that examines the relationships between and among people, places, environments and cultures. The course covers a range of concepts that will enable students to engage critically with geography as an academic discipline. The class interrogates the geographic aspects of several important contemporary world issues like global connectivity, human migration, citizenship, cultural identity, urbanization, economics and politics.
Spring, Fall

GEOG1111

3 Credits

Economic Geography

This course serves as an introduction to the core principles, theories and histories of economics, with specific attention to the issues that shape the spatial contours of the global economy. The class will work to develop a basic understanding of contemporary public debates about economic policy and explore the relationships between spaces, labor and markets. By the end of the semester, the class will have engaged with concepts like globalization, austerity and neoliberalism and studied the often-conflicting roles of economic actors like states, producers and consumers.
Spring

GEOG2500

3 Credits

Global Development: Geographies of Wealth and Poverty

This course provides an introduction to the multifaceted process of social, cultural and political-economic change commonly known as “development.” The class will ask why, for example, certain regions of the world collectively known as “developing countries” or “the third world” have come to experience conditions of crushing poverty while other areas have prospered. In engaging with these types of issues, the class will examine the relationships between rich countries and poor, and interrogate the ways in which the links between different parts of the world have changed over time.

GEOG2600

3 Credits

Urban Geography

This course will serve as a geographical introduction to the history, theory, form and function of cities. In the past decade, the number of people living in cities has surpassed the world's rural population. Demographers speculate that cities will account for all global population growth over the next 50 years as people continue to leave rural areas for urbanized life. Most of these changes are happening in the developing world, marking a globalized landscape no longer exclusively defined by places like New York or Paris, but also by “third-world” cities like Lagos, Mumbai and São Paulo. As sites of economic production, spaces of cultural and artistic expression and places where inequality is often rendered most visible, cities pose new challenges and offer opportunities for governments, communities and individuals the world over. The class will employ a number of different vantage points and disciplinary lenses in order to interrogate these exciting and complex urban landscapes.

GEOG2700

3 Credits

Environmental Geography: Nature, Power and Society

This course critically examines environmental transformations that arise from the complex interactions between natural systems and human activities. The pursuit of knowledge about natural resources and ecological systems is a scientific enterprise, yet addressing questions about the production, consumption, distribution, worth, degradation and preservation of these resources is a historically, politically and economically specific endeavor. The course goal is to encourage students to develop an appreciation of environmental conditions in their historical and political context.

GEOG3030

3 Credits

Surveillance and Security

Recent revelations about data collection by actors as varied as the National Security Agency and Facebook have challenged many of society's most basic beliefs about power and privacy. It is increasingly clear that bodies, images and words are ceaselessly tracked, sorted, profiled, stored in databases and recalled by algorithms — all in the name of a loosely defined concept called “security.” In this class, students will interrogate these uneasy relationships between surveillance and security, looking at both state-surveillance practices as well as visual practices aimed at monitoring the state. By engaging with a broad array of media — academic research, social theory, television, film, fiction — students will debate the role of surveillance in generating security, but also focus on the ways that broad data collection can actually enable populations

to act in new and beneficial ways. (Equivalent to CMLGY3030 Surveillance and Security.)

GEOG3040

3 Credits

Capture and Control: Geographies of Detention and Incarceration

Modern democratic states often rely on practices of detention and incarceration in order to demonstrate (and increasingly, to circumvent) the power of the rule of law. As a result, international and domestic detention spaces like refugee camps, jails and for-profit prisons, war prisons, black sites, migrant detention islands, border checkpoints and protest camps are utilized in an ever-expanding number of spatial, legal and political contexts. In this course, students will explore these spaces and engage in a detailed historical and theoretical investigation of the complex and often contradictory processes that produce them. (Equivalent to CMLGY3040 Capture and Control.)

German Language and Literature

Department of Literature, Language, Writing and Philosophy

GERM1001, GERM1002

6 Credits (3 Credits Each Semester)

Beginning German I, II

An introduction to the language with practice in reading, writing and conversation. Corequisites: GERM1007 German Practicum I and GERM1008 German Practicum II.

GERM1007

1 Credit

German Practicum I

This one-credit course is linked to GERM1001 Beginning German I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: GERM1001 Beginning German I.

GERM1008

1 Credit

German Practicum II

This one-credit course is linked to GERM1002 Beginning German II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: GERM1002 Beginning German II.

GERM2003

3 Credits

German Conversation I

Course focuses on conversation through writing, reading, literature and grammar. GERM2003 German Conversation I and GERM2004 German Conversation II may be taken in any order.

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GERM2004

3 Credits

German Conversation II

This course reviews important grammar topics and discusses contemporary issues in Germany. GERM2003 German Conversation I and GERM2004 German Conversation II may be taken in any order.

GERM3007

3 Credits

German Culture and Civilization

This bilingual course introduces key topics in German history, politics, arts and literature as well as the sciences. It will also address contemporary issues in German culture.

Government and Law

Department of Social Sciences and History

GOVT1000

3 Credits

American Government and Politics

Structure and function of American national government; roles of interest groups and political parties, voting behavior, powers of president, Congress, bureaucracy and federal judiciary. *Fall, Spring*

GOVT1100

3 Credits

Global Politics

This course introduces students to two dimensions of world politics: the domestic politics of countries outside the United States and interactions between countries. Topics covered include states and the international system, regimes, identity, democratic and nondemocratic political institutions and change, war, international political economy and trade, human rights and international law, transnational problems and globalization. The course explores these themes through an examination of prominent theories and case studies.

GOVT1120

3 Credits

Comparative Government

Analysis and comparison of contemporary political institutions and processes of selected countries.

GOVT1200

3 Credits

Introduction to Law

Overview of substantive and procedural law, and scholarly research on legal behavior and institutions. Course emphasizes the contemporary U.S. legal system but includes discussion of comparative and historical issues.

GOVT1850

3 Credits

Playing Politics

Politics can be conceptualized as a “game,” a situation of strategic interaction between two or more players. In this course students adopt the perspective of different political actions and actually play important political games — elections, campaigns, state formation, forming a coalition government and more.

GOVT2010

3 Credits

The Congress

Organization, political leadership and procedures of each house of Congress; the committee system; proposed congressional reforms.

GOVT2015

3 Credits

Campaigns and Elections

Introduction to and survey of election laws including ballot-access regulation, campaign finance and structures of primary elections; polling; advertising; the role of parties; and media relations.

GOVT2020

3 Credits

The American Presidency

Roles and functions of president, Cabinet, executive agencies; relations with Congress.

GOVT2030

3 Credits

The Supreme Court

The Supreme Court of the United States has emerged as the most powerful tribunal in the world. It plays a major role in resolving conflicts, making policy and developing the rule of law. This class examines how history, theory, social science research, jurisprudence, public opinion and a range of social and political forces help us in understanding why and how the Court is a major force in American politics. (Equivalent to CMLGY2030 Supreme Court.)

GOVT2045

3 Credits

Public Opinion

Explores the nature of public opinion and its connection to survey research, mass media influence and public policymaking, as well as the psychology of opinion holding and the role of public opinion as a mechanism of democratic linkage.

GOVT2050

3 Credits

President and Congress

The relationship between the two branches of government in the policy-making process. Why do presidential initiatives succeed or fail? What are the sources of presidential and congressional influence in the policy process?

GOVT2070

3 Credits

Women and American Politics

This course examines the participation of women in American political life. It will analyze the role of feminism in altering women's public roles in historical and contemporary contexts, women's participation in electoral politics and the role of women and their influence as officials within governing institutions.

GOVT2071

3 Credits

Gender and Public Policy

This course examines how women are treated by the law with respect to public policies that include, but are not limited to, workplace discrimination, reproductive rights and domestic violence. The work of feminist legal theorists will frame examinations of the historical, current and future development of case law relating to women and gender in American public policies.

GOVT2120

3 Credits

Globalization and Its Impact on the State

The effect of globalization on the political organization of modern states, with special emphasis upon the developing world.

GOVT2130

3 Credits

International Relations

Theories and problems of international politics and foreign policy.

GOVT2230

3 Credits

Judicial Process

Students will be introduced to the litigation process, including basic evidentiary rules, courtroom procedures and trial advocacy. Students will use this knowledge to prepare and conduct a simulated trial in which they serve as attorneys and witnesses.

GOVT2281

1–3 Credits

Mock Trial I

Students in the mock trial class use hypothetical cases to develop their knowledge of (and ability to analyze) criminal and civil law and to develop courtroom advocacy skills.

GOVT2282

1–3 Credits

Mock Trial II

Students in the mock trial class use hypothetical cases to develop their knowledge of (and ability to analyze) criminal and civil law and to develop courtroom advocacy skills from GOVT2281 Mock Trial I. Prerequisite: GOVT2281 Mock Trial I.

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GOVT2283

1–3 Credits

Mock Trial III

Students in the mock trial class use hypothetical cases to develop their knowledge of (and ability to analyze) criminal and civil law and to develop courtroom advocacy skills from GOVT2282 Mock Trial II. Prerequisite: GOVT2282 Mock Trial II.

GOVT2284

1–3 Credits

Mock Trial IV

Students in the mock trial class use hypothetical cases to develop their knowledge of (and ability to analyze) criminal and civil law and to develop courtroom advocacy skills on an advanced level. Prerequisite: GOVT2283 Mock Trial III.

GOVT2300

3 Credits

Citizenship, Service and Civic Engagement

This interactive course will offer students the skills to participate in a democratic society through education and direct service. Students will engage in an experiential-learning process whereby they work collaboratively to identify a problem, evaluate solutions and create an action plan for change. The course will address such key concepts as tracing the history of civic engagement in the United States, critically analyzing the methods to effectuate change in a democratic, pluralistic society and learning about the various levels of government. Local and state policymakers will supplement the course through in-person presentations.

GOVT2400

3 Credits

Political Ethics

This course surveys and critically examines the dominant approaches to political ethics, including deontology and rights, consequentialism and utilitarianism and contemporary critiques of liberalism. Students will explore the substance and implications of these approaches in applications to contemporary ethical and political problems and questions.

GOVT2500

3 Credits

Social Analysis

Theory and method of the study of politics, research designs, theory building, techniques of data collection and analysis.

GOVT2520

3 Credits

Qualitative Research Methods

This course provides an introduction to the theories and methods underlying modern social science research across sociology, political science, economics and criminology. In this course, students will learn to assess the validity of social science research and design their own projects using a variety of qualitative and quantitative

techniques such as ethnography, content analysis, experiments and surveys. Students are required to have completed MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods and should have this level of mathematical skill in order to succeed in the required methodological course. Prerequisite: MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

GOVT2526

3 Credits

Polls and Surveys

How to comprehend, evaluate, construct and conduct public opinion polls as well as surveys of special populations.

GOVT2810

3 Credits

Gender, Film and History

The course explores the representation of women, gender roles and sexism from the advent of the motion picture to the present. The class will ponder the benefits and limitations of the film medium for illustrating gender issues and will consider how portrayals of gender in film have changed over time. Whether films merely reflect existing attitudes toward gender or help shape those attitudes will also be explored. The course will consist of film viewings, discussions, lectures and readings. Historical periods covered in the course will vary. (Equivalent to HIST2322 Gender, Film and History.)

GOVT3015

3 Credits

Political Parties and Interest Groups

Interest group membership, structure and impact on public policy; components of American political parties, party in the electorate, party organization, party in office.

GOVT3040

3 Credits

Politics and the Media

The course will examine the relationship between the mass media and government. It will consider imperatives the media will follow in choosing to run particular stories, and how government seeks to take advantage of those imperatives to influence the media. Finally, the course will investigate how the media try to arouse public opinion in order to influence government policy.

GOVT3060

3 Credits

Political Behavior

Impact of public opinion, voting, protests on public policy.

GOVT3120

3 Credits

Dictators and Democrats

Compares the processes of political change from authoritarian to democratic regime in Southern

Europe, Latin America, Eastern Europe, as well as South Africa since the mid-1970s. Emphasizes analysis over description.

GOVT3121

3 Credits

Nationalism and Ethnic Violence

This course provides students with a broad overview of the major theories of nationalism, paying particular attention to ethnic violence and conflict. Emphasis is on the critical evaluation of different theories of both nationalism and ethnic conflict, with case studies illustrating the competing theories.

GOVT3122

3 Credits

Rebels and Revolutionaries

This course examines multiple forms of violent political conflict — from riots through rebellions and civil wars to revolution. The class will do so from a variety of approaches, including economics, political, psychological and sociological, and a variety of methods (qualitative case studies, formal modeling, quantitative analysis, computer simulations). The overarching goal, however, is singular: to assess the various approaches, methods and theories in terms of their ability to account for the emergence, duration and outcomes of violent political conflict. The class will compare cases from across the globe and through time, from classic social revolutions in France, Russia and China, through riots in the U.S. and India and civil war in Greece to rebellions in Ukraine and Syria.

GOVT3150

3 Credits

Terrorism and Counterterrorism

This course examines an important problem: terrorism and how to respond to it. In order to better understand terrorism, the class will explore who commits terrorism when and why, who gets targeted and why terrorist groups decline. It will also survey different approaches to combating terrorism and assess their efficacy. The approach to both will be theoretical and empirical, and readings and assignments reflect a wide diversity within each: from detailed case studies to Large-N quantitative analyses, from formal models to exploration of several data sets.

GOVT3200

3 Credits

American Constitutional Law

Development, scope and role of judicial review, problems of federalism, civil rights and civil liberties.

Fall

GOVT3210

3 Credits

Civil Liberties and Civil Rights

Analysis of Supreme Court decisions concerning speech, press, religion, rights of women, racial

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discrimination and affirmative action. (Equivalent to CMLGY3307 Civil Liberties and Civil Rights.)

GOVT3220

3 Credits

Criminal Law

A basic introduction to criminal law in the United States. Emphasis is upon social factors, norms, values and social policy considerations that shape modern criminal law. Subject areas include issues such as the justification of punishment, the elements of just punishment and the death penalty as well as the study of substantive laws of homicide, rape and other criminal acts. Attention is also given to the emergence of international criminal law and the punishment of war crimes. (Equivalent to CMLGY2333 Criminal Law.)

GOVT3230

3 Credits

International Criminal Law

A review of the key concepts, processes, institutional and organizational components of the international criminal legal system. Problems to be analyzed include terrorism, crimes against humanity and war crimes, piracy, drug trafficking, trafficking of women and children. The course examines the foundations and justifications of the establishment of the mechanisms of international criminal law, the relationship between treaties and custom, the problems of sovereignty and the use of force, the emergence of international tribunals and courts for the trying of offenders.

GOVT3240

3 Credits

Law and Society

Law as a determinant of social control and change. Analysis of legal systems and their administration, with special emphasis on law affecting the poor.

GOVT3800

3 Credits

Current Events Seminar

This course is designed to link current events in the United States and international political systems with political theory and contemporary research in political science and related disciplines. Students will make use of a variety of news media, including written, videos and podcasts on a weekly basis to inform themselves about current events in the political system, then combine these with readings from scholarly research to understand what's really driving politics in the U.S. and around the world. Students will discuss these events — and linkages to the scholarly reading — in seminar-style class meetings.

GOVT3841

3 Credits

Torture

This course explores a wide range of questions about a particular form of political violence practiced by many states: torture. Examining state-sponsored torture from empirical, normative and analytical perspectives over time and across political space, the class explores the what, why, when, where, how and who of torture. (Equivalent to CMLGY3841 Torture.)

GOVT3851

3 Credits

Monsters and Bad States

An exploration of political and social nightmares and dreamscapes, drawing on literature, political theory and contemporary policy and public affairs.

GOVT4200

3 Credits

The Constitution

In this class, students will examine the Constitution from the perspective of a political architect or framer — someone actually responsible for designing and maintaining a polity. The class will supplement (and transcend) the traditional emphasis on the Constitution as supreme law and as a text that courts alone should consider. Instead, students look at the Constitution as a dynamic blueprint for achieving certain aspirations, a “machine that would go off itself.” The class will also evaluate the Constitution as a source of American values, a basis for institutional conflicts and a touchstone for political and social life.

GOVT4220

3 Credits

Advanced Criminal Law

This seminar offers an in-depth analysis of recent scholarship and emerging issues related to contemporary and enduring issues in criminal law. Students should have taken GOVT3220 Criminal Law or have a good working knowledge of basic criminal law before taking this class. Prerequisite: GOVT3220 Criminal Law.

GOVT4498

1–3 Credits

Internship in Government and Law

Integration of classroom study with specific planned periods of supervised learning in paid and relevant employment experiences. Co-op education combines learning on the job, University course work and career-development skills. Students are encouraged to complete two complementary co-op courses.

GOVT4499

1–3 Credits

Internship in Government and Law

Integration of classroom study with specific planned periods of supervised learning in paid

and relevant employment experiences. Co-op education combines learning on the job, University course work and career-development skills. Students are encouraged to complete two complementary co-op courses.

GOVT4551

3 Credits

Game Theory

This course is an introduction to some basic concepts in non-cooperative game theory and their application to a range of problems in several social science disciplines, including economics, criminology, political science and sociology. Prerequisite: MATH1107 Precalculus, MATH1126 Contemporary Mathematics, MATH1128 Mathematical Methods or higher.

GOVT4552

3 Credits

Agents in the Matrix: Creating and Analyzing Agent-based Models

This course introduces students to a powerful transdisciplinary computational for exploring complex systems; a large number of autonomous agents interacting independently without central control. Rooted in mathematics and computer science, agent-based modeling (ABM) is one of the most widely used methodologies for simulating complex systems by drawing on computing power to run experiments. The introduction to ABM in this course is more than just learning about the methodology; students will also learn how to design, program, execute and analyze their own ABM and then write up and present the results. Prerequisite: MATH1107 Precalculus, MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods. (Equivalent to CMLGY4845/ECON4845 Agents in the Matrix: Creating and Analyzing Agent-based Models.)

GOVT4590

1–3 Credits

Faculty Research

Faculty-student research on faculty projects.

GOVT4700

3–15 Credits

Washington Center Internship

This course is a one-semester internship in Washington, D.C., through the Washington Center Internship Program. Students may register for 3 to 15 credits.

GOVT4800

3 Credits

Independent Study in Government and Law

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

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GOVT4801

3 Credits

Independent Study in Government and Law

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

GOVT4900

3–12 Credits

Faculty Research

Faculty-student research on faculty projects.

GOVT4901

3–12 Credits

Faculty Research

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

GOVT4902

3–12 Credits

Faculty Research

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

GOVT4999

3 Credits

Senior Thesis

In this capstone course, students select a research topic in consultation with an adviser, conduct the research and produce a paper and oral presentation.

History

Department of Social Sciences and History

HIST1130

3 Credits

The United States to 1877

A survey of American history from the earliest Colonial times through the end of Reconstruction. The course cannot be counted toward the history major.

Fall

HIST1131

3 Credits

The United States Since 1877

A survey of American history from Reconstruction to the present. This course cannot be counted toward the history major.

Spring

HIST1150

3 Credits

World History I

A survey of world history from the earliest civilizations to the age of increased global contacts. This course will cover a variety of themes like the importance of agriculture, the rise of civilizations, birth of arts and the spread of world religions.

HIST1151

3 Credits

World History II

A survey of the development of the modern world from about 1500 to the present. In particular, this course will explore the challenges emanating from an increasingly interconnected world during this period.

HIST1170

3 Credits

European History to 1750

Survey of European history from the fall of the Roman Empire to 1750.

HIST1171

3 Credits

European History from 1750

Survey of European history from the Age of Enlightenment and Revolution to the present.

HIST2100

3 Credits

Medieval History in Film

Thematic treatment of the history behind cinematic portrayals of Europe in the Middle Ages, as well as what these films say about the societies that produce them.

HIST2101

3 Credits

Warfare in Medieval Europe

An examination of strategies and tactics of European militaries from late antiquity to the early modern era. Course also considers the broader social, political, economic and religious contexts in which medieval warfare took place.

HIST2200

3 Credits

Europe in the Middle Ages

An introduction to the social, religious, intellectual and cultural life of medieval Europe from 500 to 1563.

HIST2201

3 Credits

Modern Germany

An examination of Germany from the period of unification under Bismarck to the present time, with particular emphasis on the period of World Wars I and II, the Weimar Republic, Adolf Hitler and the rise of the Nazi party, the two Germanies of the postwar world and the recurrent "German question" of the present day.

HIST2202

3 Credits

Introduction to African History

Examines the history of Africa from the origins of man through the Atlantic slave trade, with a particular focus on the development of political, social and cultural institutions across the continent.

HIST2203

3 Credits

Modern African History

A survey of the continent from the end of the Atlantic slave trade through European colonization, two World Wars, independence, Cold War politics and the contemporary challenges of modernity. Note: meets culture requirement.

HIST2223

3 Credits

Renaissance and Reformation

An examination of Europe during the late Middle Ages, the artistic and cultural flourishes of the Renaissance and the Reformation with its religious wars. Includes emphasis on sources written and created during the period, as well as historians' assessments of their importance and impact.

HIST2224

3 Credits

Age of Science and Enlightenment

This course focuses on the period in European history from the time of Galileo and the Thirty Years War to the Age of Enlightenment. It will closely examine the foundation of the Scientific Revolution, the devastating effects of war on Europe from 1616–1648 and the history of the development of enlightened thought in Britain and continental Europe. The class will examine this historical period with an interdisciplinary thrust, using a broad range of materials and documents to enrich the students' understanding of a crucial period in European history.

HIST2244

3 Credits

Islamic Empires

This course examines the spread of Islamic culture and society specifically in the context of the large caliphates, dynasties and empires that dominate early Islamic history from the death of Muhammad to the Ottoman Empire.

HIST2293, HIST2294

3 Credits Each Semester

Global Scholars Seminar I, II

Combines academic training with special opportunities such as private briefings with United Nations ambassadors, trips to area museums and artistic events presenting works on many cultures.

HIST2322

3 Credits

Gender, Film and History

The course explores the representation of women, gender roles and sexism from the advent of the motion picture to the present. The class will ponder the benefits and limitations of the film medium for illustrating gender issues and will consider how portrayals of gender in film have changed over time. Whether films merely reflect existing attitudes toward gender or help shape these attitudes will also be ex-

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plored. The course will consist of film viewings, discussions, lectures and readings. Historical periods covered in the course will vary. (Equivalent to GOVT2810 Gender, Film and History.)

HIST2326

3 Credits

The Medieval Castle

This course examines the medieval castle from a number of different angles, including the castle as a military instrument and as a hub of economic, social and religious activity. The class will consider historians' conflicting assessments of castles and will delve into primary-source materials describing the multiple layers of life in castle communities.

HIST2346

3 Credits

Birth of Modern America: 1877-1929

Covers the critical half-century between the end of Reconstruction in 1877 and the Great Crash of 1929, when the United States transformed from a largely rural-agrarian society into the world's leading urban-industrial power. Topics include: conquest and settlement of the West; mass immigration, urbanization and industrialization in the North; rise of Jim Crow in the South; populist and socialist protest movements; rise of corporate capitalism; progressive reforms; ascendancy of the "New Woman" and Harlem Renaissance; Prohibition and the "Roaring Twenties"; and emergence of the U.S. as a global power from the Spanish-American War through the First World War.

HIST2348

3 Credits

America in the Age of Reform: 1929-1968

This course covers four decades marked by rapid change and conflict at home and abroad. Topics include: origins of the Great Depression; New Deal reforms; American "Isolationism" and Neutrality in the 1930s; the Second World War; origins of the Cold War and decolonization and its conflicts in Korea, Cuba and Vietnam; baby boom and postwar consumerism; McCarthyism; racial and gender civil rights movements; the Great Society and Lyndon B. Johnson's "War on Poverty"; protests and counterculture of the 1960s; and the rise of the "New Right."

HIST2349

3 Credits

Contemporary America: 1968-Present

This course covers four decades marked by the aftermath and legacy of the tumultuous 1960s from the end of the Democratic majorities of Lyndon B. Johnson through the Rise of the New Right with Republicans Nixon, Reagan and the Bushes, but also the New Democrats under Clinton and Obama. Topics include: the pivotal 1968, 1980 and 2008 elections; the end of the

Vietnam War; Detente; Watergate; impact of Civil Rights Movements for African Americans, women and gays; suburbanization; urban decay and renewal; the New Immigration; the end of the Cold War and the rise of globalization with 9/11 and the 2008 financial crisis.

HIST2350

3 Credits

Colonial and Revolutionary America

The history of the American colonies from 1450 to the Revolutionary War and the subsequent problems of creating an American union.

HIST2351

3 Credits

The United States in the Early Republic

This course introduces the main themes and events from the earliest years of the new nation until about the mid-19th century. Among the topics explored are the first and secondary political party systems, gender and race, the development of market capitalism and its impact, the slave South, the westward movement and reform movement and abolitionism.

HIST2352

3 Credits

Civil War and Reconstruction

The rise of sectionalism, the election of Lincoln and the secession of the Southern states, the Civil War, Reconstruction and the return of Southern "home rule."

HIST2359

3 Credits

African-American History to 1877

This is the first of a two-semester course in African-American history. The course explores selected major developments; issues and interpretations unique to the past of Americans of African ancestry from the 17th century through the Civil War and Reconstruction. Among the topics explored are the African-American slave trade, the development of racism, free blacks, master-slave relations and black institutions.

HIST2361

3 Credits

African-American History Since 1877

This is the second of a two-semester course in African-American history. This course begins with the legacy of Reconstruction and continues with the Jim Crow laws. It covers the Booker T. Washington vs. W.E.B. Du Bois debate amid entrenched segregation; how the two World Wars raised expectations in the black community, as did *Brown vs. The Board of Education*; how the Civil Rights movement increased opportunity; a new debate between King and Malcolm X; and how, today, a middle class contrasts with the underclass.

HIST2368

3 Credits

Survey of India

Introduction to the vast panorama of Indian history, art, cultures, philosophies and politics from ancient through pre-Colonial times.

HIST2370

3 Credits

Comparative Revolutions

This course examines the "Age of Revolution" (circa 1776 to 1815) and carefully considers the major wars of independence and revolution that were so central to the era. The focus will be on the American, French and Haitian Revolutions, as well as the Latin American Wars of Independence. Special attention is paid to the interconnectedness of the major events, the origins and timing of the Revolutions and the social, political, racial and gender aspects of the "Age of Revolution."

HIST2371

3 Credits

History on Film: Britain

Many events in British history have been the basis or inspiration of great films. The politics, history and social forces that created these films; the accuracy of how the issues and events are portrayed; and how we regard the issues as time passes, will be the focus of this course. Examples will be taken from: the Church of England, British Colonialism, World Wars and the loss of Empire, War on the British Homeland, immigration, assimilation and the effects of Brexit. (Equivalent to CINE2371 History on Film: Britain.)

HIST2400

3 Credits

The Indian Ocean

Examines the history of the peoples and communities that ring the Indian Ocean — from east Africa to Saudi Arabia, India, Indonesia and Australia. This course will focus in particular on forces that have linked these societies such as trade, religion, migration, imperial ambition and independence.

HIST2401

3 Credits

Pacific Worlds

This course broadly covers the history of the diverse cultures connected to the Pacific Ocean, including the changing interaction between East Asia, the Pacific Islands, Australia and the Americas from the emergence of the early modern world in the 15th century through the era of globalization today.

HIST2402

3 Credits

Atlantic Worlds

This course explores the history of interaction between peoples located around the Atlantic

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Ocean. From Columbus through colonization, the slave trade, independence and finally globalization, this course will explore a variety of themes (such as the origins of the blues) as rich and varied as the people who live in and around the Atlantic.

HIST2403

3 Credits

Mediterranean Worlds

Covers themes, people and cultures of the Mediterranean basin from the ancient world up to approximately 1500. Considers the Mediterranean as both a highway and a barrier to human interactions and the spread of ideas.

HIST2404

1 Credit

Pacific Worlds Study Abroad

Optional short-term study abroad to East Asia for HIST2401 Pacific Worlds. This is a required fall term corequisite offered with a study-abroad component over winter break.

HIST2424

3 Credits

Western Front in World War I

Summer course taught jointly at Becton College and Wroxton College with field study in England, France and Belgium. This course explores the role of mass, multimillion-man armies engaged along the 500-mile Western Front in World War I. Within 25,000 miles of trenches, a war of attrition generated casualties of an unprecedented magnitude, owing to the role of industrialization, militarism and nationalism.

HIST2425

3 Credits

Western Front in World War II

Summer course taught jointly at Becton College and Wroxton College with field study in England, France and Belgium. This course will explore the role of highly mechanized and aerial warfare in the German Blitzkrieg that conquered Western Europe from Norway to France in less than 11 weeks (thus breaking the strategy of trench warfare from World War I); the aerial bombardment of civilian targets with focus on the Battle of Britain; the fate of population in occupied Western Europe; the opening of the Second Front with D-Day invasion followed, by the 11-month campaign to V-E Day.

HIST2443

3 Credits

New Jersey History

The history of New Jersey from colonial times to the present.

HIST2500

3 Credits

Medieval Maidens in the Movies

An interdisciplinary, co-instructed examination of women in medieval Europe and of their portrayals in film. This course considers not only

the history of the women depicted in movies but how historiography, conventions of the film medium and women's studies help illuminate these representations.

HIST2501

3 Credits

Colonial Latin America

Covers Latin America from late pre-Columbian times, the European conquest of the region, the key features of Spanish and Portuguese colonization and the issues that lead to independence. Includes discussion of indigenous civilizations; the encounter of the Europeans with indigenous Americans and enslaved Africans; the introduction of European social and political institutions; the economic impact of mining and plantations; and the pivotal role of the Catholic Church.

HIST2502

3 Credits

Modern Latin America

Covers Latin America from the independence movements to the present. Includes the impact of independence and the struggle to build stable nation states; the continuing friction between Church and state; urbanization and industrialization; modernization efforts and the challenge of populist and socialist movements; key 20th-century revolutions and Mexico and Cuba; the pervasive role of military dictatorships; democratizations; and contemporary challenges in the 21st century.

HIST2503

3 Credits

Indigenous Peoples of Latin America

This upper-division course focuses on the history of indigenous peoples of Latin America from the pre-Columbian period until the present. The course explores the social, economic, political and cultural transformations affecting the native societies of Mesoamerica and the Andes, with a focus on their strategies for survival and sociopolitical inclusion. Part I explores the American civilizations prior to European invasion and colonization. Part II examines the creation of the "Indian" in the context of the imposition of colonial rule from the late 15th to the early 19th century. Part III investigates the reformulation of the indigenous peoples' status in the young Latin American republics and the restrictions created by new political elites to exclude them from political participation. Part IV discusses indigenous peoples' activism, main challenges and successes from the second half of the 20th century until the present.

HIST2504

3 Credits

Gender and Race in Latin America

This course introduces students to the history of gender and race in Latin America from colonial times to the 21st century. Topics include the continuities and changes that have affected the lives of women and men from diverse racial, cul-

tural and class backgrounds more than 500 years since the Spanish conquest. This course will focus especially on negotiation, resistance and agency to explore how gender roles and racial identities have been imposed but also re-defined.

HIST2506

3 Credits

Pre-Columbian Americans

This course focuses on the history of indigenous peoples in the Americas before the arrival of Europeans in 1492. It explores the social, economic, political and cultural transformations affecting the societies of North, Central and South America with an emphasis on the civilizations of Mesoamerica and the Andes. The course is divided into three parts, which examine each stage in the development of pre-contact societies: Lithic Stage, Archaic Stage and Post-Archaic Stage. The main objective of this course is to present the history of these societies through their own perspective while highlighting their contributions and legacy.

HIST2630

3 Credits

U.S. Women's History to 1877

Cultural, social and political developments in the roles of women from Colonial times through Reconstruction. Includes comparison based on gender, race, religion, class, education and era.

HIST2631

3 Credits

U.S. Women's History Since 1877

Examination of the lives of women in America from Reconstruction to the present. Lectures, primary source readings, secondary source readings and research assignments will show the ways in which social, political and economic conditions shaped women's roles and expectations. Special consideration is given to the diversity of women's experiences in America, and attention is paid to race, class, age and sexuality.

HIST2701

3 Credits

Modern Mexico: 1876–Present

This course examines the history of Mexico's "long 20th century" from the modernizing dictatorship of Porfirio Diaz (1876–1910) to the present. Bookmarked by two periods of globalization — one that began at the end of the 19th century and another that commenced a century later — the course provides students with an understanding of the various social, political, economic and cultural processes that shaped Mexico's transformation into a modern nation-state and "middle power" on the global stage. Through an examination of practices of nation and state building, revolution and reaction and the transnational ebb and flow of goods, people and ideas, students will gain an understanding of the diversity of forces that shaped and continue to shape modern Mexico.

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HIST2900

3 Credits

Premodern War in Video Games

The gaming industry continues to produce numerous video packages based on ancient and medieval warfare. These games are wildly popular software packages, especially among college students. They are therefore a powerful "hook" to draw society's attention to material that might otherwise seem obscure or unimportant. But how true are these virtual depictions to the historical people, societies and events they portray? This course approaches such works with the aim of determining historical accuracy or lack thereof and determining what these games say about the societies that produce and find pleasure in them.

HIST2951

3 Credits

Spain and the United States Since 1898

Through short-term study-abroad to Spain, this course will look closely at the relationship between Spain and the United States — from the Spanish-American War, the Spanish Civil War and its impact on U.S. neutrality and World War II, the Franco dictatorship, to Spain's postwar entry into NATO and democracy in the 1970s. The experiential learning will look at relevant sites to include the National Army and Naval Museums, memorials of the Spanish Civil War and major art museums and other historic sites. Note: This course is associated with the 3-credit course HIST3351 U.S. as a Global Power. Students are encouraged, but not required, to take both courses.

HIST3008

3 Credits

Italian History and Art History

A course about the fundamental concepts of Italian history and art history, designed specifically to take advantage of the resources of the culturally rich city of Bergamo. The course is co-taught by a historian and an art historian in English. Course takes place in Italy and is offered at no cost to FDU students as long as they register in one of the other courses offered in the study-abroad in Italy program. (Equivalent to ARTH3008/ITAL3008 Italian History and Art History.)

HIST3250

3 Credits

Crime and Punishment in South Africa

This course examines the complex history of criminality and state response in the African subcontinent. Although the class will examine the nature of precolonial crime and punishment, the focus of the course will be on the colonial period and the apartheid era that followed. Because of the ugly realities of race and class, dis-

tinguishing what was, or was not, a criminal act in southern Africa is not as easy as it might seem at first. Nelson Mandela served nearly his entire adult life in prison, while Cecil Rhodes, the founder of De Beers diamonds, strong-armed his company into a monopoly and became prime minister of the Cape Colony. Rogues, rebels, shebeen queens, *tsotsis* (gangsters), highway-men and corporate raiders all make appearances in this course that mixes traditional lectures with seminar-style discussions. (Equivalent to CMLGY3250 Crime and Punishment in South Africa.)

HIST3251

3 Credits

Crime and Punishment in Latin America

This upper-level course examines the changing cultural paradigms about order, crime, justice and punishment in Latin America and their impact on society and institutions. Chronologically, the course will be divided into four main sections: pre-Hispanic notions of social control and order (until the 1500s), the colonial foundations of racial and religious criminalization and repression (1500s to early 1800s), the early republican state and the modernization of the means of social control (mid-1800s to the 1930s) and crime and punishment in the 20th and 21st centuries (1930s to the present). Particular attention will be given to topics such as social-control policies, the police, narco-trafficking and crime, political crimes, genocide and justice. (Equivalent to CMLGY3251 Crime and Punishment in Latin America.)

HIST3316

3 Credits

The History of Sexuality in the United States

Sex is often thought of as an unchanging need behavior or instinct — an experience without history. And yet, even in the recent past, sexual desires, activities, identities, attitudes and technologies have undergone profound transformations. This course will examine the last 400 years of sexuality in the regions that now make up the United States. Among the topics covered are reproduction, fertility, birth control and abortion, prostitution, same-sex and cross-sex sexualities, interracial sex and sex as violence.

HIST3321

3 Credits

The Roman Republic

An examination of ancient Rome from its origins to the beginning of the Empire (c. 500–14 BCE). Special attention will be given to social, cultural, political and legal developments through the use of both primary and secondary sources.

HIST3322

3 Credits

The Roman Empire

Roman civilization from the creation of the imperial system by Augustus to its collapse in the West under the impact of the Germanic invaders.

HIST3324

3 Credits

Medieval Religion

Examines various aspects of medieval history in more depth than allowed by a survey course. Topics will change each time the course is offered. Examples of possible topics include, but are not limited to, The Family in Medieval Law and Society Medieval England; The Church in Medieval Europe; and War and Society in the European Middle Ages. Emphasis on research and writing.

HIST3325

3 Credits

19th-century Europe

This course will cover European history from the end of the 18th century until the beginning of the 20th century. Major topics will include the French Revolution, the Napoleonic Wars, The Congress of Vienna, The Crimean War, the Unification of Italy and Germany and the growth of imperialism. In addition, economic and political topics will include the effects of industrialization, the emergence of socialism and the spread of democracy. Social and cultural topics will include the Enlightenment, Romanticism, Realism, Materialism and the notion of progress. These subjects will be analyzed through a combination of primary and secondary sources.

HIST3347

3 Credits

History of Modern China

An introduction to the history of China, focusing on the 20th century, but also providing background to its 4,000-year-old culture; the Communist Revolution and the political system so long under the influence and domination of Chairman Mao Tse-tung; and the forces of "hard line" Communism that are restraining the powerful drive for democratization.

HIST3350

3 Credits

U.S. as a Continental Power, 1607–1898

This course explores the expansion of the United States from a British-settlement colony to that of a national continental empire. Topics include the conquest and settlement of Native American lands, negotiations and conflicts with neighboring powers and competing visions over expansion as related to slavery and trade.

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HIST3351

3 Credits

U.S. as a Global Power

Narrative examination of U.S. foreign policies from the Spanish-American War to the Wilsonian principles of 1918, idealism and isolationism in the '20s and '30s, the crusading year of World War II and the Cold War and culminating in the confusing and prosperous first decade of the post-Cold War era.

HIST3358

3 Credits

United States Constitutional History

Explores the framing of the Constitution, antecedents of American common law, the development of judicial review and the various intellectual leaders and eras of the court in both the 19th and 20th centuries.

HIST3367

3 Credits

Public History

The study and practice of presenting history to a public audience (rather than to an academic audience of students or experts). Focus is on museum exhibits, historic houses, sites, documentary films, oral history and interactive media.

HIST3368

1 Credit

Public History Field Experience

This course provides students an opportunity to study public history in the field. The class will conduct a number of onsite visits to talk with practitioners about the implementation of the methodologies discussed in class. This unique opportunity can introduce students to a career in public history, provide a model for incorporating this practice into their own classrooms or simply make them better participants in future visits to these venues.

HIST3400

3 Credits

Colonial Epidemics

This course examines the epidemics that accompanied the process of European colonization after the 15th century and the social, religious, cultural and political responses of local people to these plagues. In addition, the course will examine how colonial diseases shaped European ideas of the colonial project, of race and of the environment.

HIST3405

3 Credits

Explorers and Exploration

This course will look at selected explorers and their travels from antiquity to the early 16th century. Reasons for exploration, the means of doing so and the effects of cross-cultural contacts will be considered. Heavy emphasis will be placed on analysis of the explorers' own travel descriptions.

HIST3666

3 Credits

Witches and Warlocks in the West

An interdisciplinary course that analyzes historical and literary texts and films that represent the idea of witchcraft through the ages, from St. Augustine to the 20th century.

HIST3802

3 Credits

Historical Methods

This course is designed for history majors. It aims to prepare students to "do" history and acquaint them with the various approaches and methods that historians use in writing history.

HIST4001

3 Credits

The Black Death

History and historiography of the cataclysmic disease that wiped out nearly a third of Europe in the 14th century, as well as precursors and later waves of illness. Implications for modern epidemics will also be considered. Course will include significant use and analysis of primary source materials. Prerequisite: HIST3802 Historical Methods or permission of instructor.

HIST4008

3 Credits

The Military Revolution

The term "military revolution" is used by historians to denote the changes to warfare and society from about 1500–1800. This course will consider the effects that gunpowder weaponry, sailing ships, military professionalization and economic objectives had in changing Europe and the world. Heavy emphasis will be placed on historians' debates over the military-revolution model and on primary-source analysis. This is not a course on the American Revolutionary War.

HIST4200

3 Credits

Colonial Epidemics

Seminar that explores the connection between colonization and disease from the horrific destruction of Native American communities at the hand of smallpox, to the more subtle effects of syphilis in India or tuberculosis in South Africa. Focus will be on how epidemics re-ordered colonized societies and shifted power to the colonizers.

HIST4205

3 Credits

Seminar: Race and Empire

This seminar examines the critical role of race in the global context of imperialism, from the age of high imperialism in the 19th century through the age of decolonization in the 20th century. Prerequisite: HIST3802 Historical Methods or permission of instructor.

HIST4498

1–3 Credits

Internship in History

Interning in public history: museums, historical parks and societies, archival sites. Combines learning on the job, University course work and career-development skills. Students may complete more than one internship for credit.

HIST4500–HIST4503

3 Credits

Great Issues Colloquium

Available to well-motivated students, this interdisciplinary course takes up an important societal or global question, requires broad reading and encourages active participation in discussion and debate. The topic and professor will change each time the course is offered.

HIST4700

3–15 Credits

Washington Center Internship

This course is a one-semester internship in Washington, D.C., at The Washington Center internship program. The main program offers student internships in many areas including politics, public administration, health and education, human services, science education and the arts. Students are assigned a program supervisor, take one of many classes offered by the center and participate in the center's activities.

HIST4800

1–3 Credits Each Semester

Independent Study in History

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

HIST4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

HIST4901

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Honors

University Honors Program

HON2000

0 Credits

Honors Study-abroad Experience – Wroxton

Study-abroad experience that includes travel to Wroxton, England, for a seminar/lecture program. Topics vary by semester/year. Additional cost may apply.

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HON3301

3 Credits

Junior Honors Seminar

Introduction to the methods of research; literature searches using computer databases; proposal development; organization and presentation of research data; development of the honors thesis. HON3301 Junior Honors Seminar is a University-wide course. For other University Honors Program courses please contact the University Honors Program director on your campus.

For requirements in Becton College Honors, see page 56.

Humanities

*Department of Literature,
Language, Writing and Philosophy*

HUMN2015

3 Credits

Ways of Seeing: Visual Intelligence and Creative Writing

This course follows ARTH1110 Life of the Contemporary Artist in the sequence for students in the Arts Learning Community. Using contemporary and classic art and writing inspired by art, this course is a multifaceted exploration of the ways people see. Among other things, students will learn how teaching police (and others) to look at art has led to solving crimes in the real world; how learning such techniques of looking at and understanding art may enrich one's life, academic experience and career; how to express oneself in a variety of ways; how contemporary and earlier art have been used to educate, create social change, religious change and so on. Students will write creative and critical pieces and will look at a great deal of remarkable and important work. Prerequisite: ARTH1110 Life of the Contemporary Artist.

HUMN2201

3 Credits

Humanities Seminar I

This seminar introduces students to the concept of the humanities and focuses on the ways in which different disciplines explore a period or theme. Students will learn how to apply interdisciplinary approaches to their studies. Should be completed by humanities majors prior to the first semester of their junior year.

HUMN2212

3 Credits

Visionary Artists and Writers

This course will examine a number of artists and writers from various traditions who lead us far beyond the boundaries of geography and reason to explore religions that cannot be visited by any other means than the imagination. Students will become familiar with various religions and belief traditions — Jewish, Hindu, Christian, Native

American, Muslim, Buddhist, etc. — from which such artists often spring while focusing on how they may be relevant to our real-world lives. The class will also discuss the psychology of unusual states of consciousness. The artists will include Rumi, Lalla, Mirabai, Rimbaud, William Blake, Tolkien, Madge Gill, Henry Darger and many others. Students will write both creatively and critically in response to art.

HUMN2500

1 Credit

Research in Humanities

Introduction to interdisciplinary research in the humanities.

HUMN3211

3 Credits

Humanities Seminar II

This senior seminar will focus on a theme explored in depth from a variety of interdisciplinary perspectives.

HUMN4498

3 Credits

Internship

Practical experience working in a business, government or a nonprofit setting or in the publications field, applying academic knowledge. Academic component includes weekly journals and semester-evaluative paper and frequent interaction with department mentor.

HUMN4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Italian Language and Literature

*Department of Literature,
Language, Writing and Philosophy*

Note: Students may also take courses at the University of Bergamo, FDU's partner institution in Italy, in a semester-long stay or during the FDU summer study-abroad program (mid-May to mid-June).

ITAL1001

3 Credits

Beginning Italian I

An introduction to the language with practice in reading, writing and conversation. Corequisites: ITAL1007 Italian Practicum I and ITAL1008 Italian Practicum II.

ITAL1002

3 Credits

Beginning Italian II

An introduction to the language with practice in reading, writing and conversation. Prerequisite:

site: ITAL1001 Beginning Italian I or departmental permission.

ITAL1007

1 Credit

Italian Practicum I

This one-credit course is linked to ITAL1001 Beginning Italian I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: ITAL1001 Beginning Italian I.

ITAL1008

1 Credit

Italian Practicum II

This one-credit course is linked to ITAL1002 Beginning Italian II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: ITAL1002 Beginning Italian II.

ITAL2003

3 Credits

Italian Conversation I

A conversation course that focuses on grammar skills through a variety of readings. (ITAL2003 Italian Conversation I and ITAL2004 Italian Conversation II are not sequential.)

ITAL2004

3 Credits

Italian Conversation II

A conversation course that focuses on grammar skills through readings on contemporary issues. (ITAL2003 Italian Conversation I and ITAL2004 Italian Conversation II are not sequential.)

ITAL2005

3 Credits

Italian Cinema

The course will discuss the development of the Italian cinema from Neo-Realism to today, in particular dealing with Rossellini, Fellini, De Sica, Bertolucci, Pasolini, Antonioni and Wertmüller. It is taught in English. (Equivalent to CINE2015 Italian Cinema.)

ITAL2015

3 Credits

Italian Film

Through the appropriate literature, the course examines the films of Roberto Rossellini, Vittorio De Sica and Michelangelo Antonioni (mainly) as true innovators of cinematic techniques, who led the way for filmmakers around the world since the end of World War II.

ITAL2050

3 Credits

Italian Romanticism and Risorgimento Through Literature, Art and Music

This course provides a broad historical perspective on Italian Romanticism and the Risorgimento. The focus will be on the role that literature

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(poetry and narrative), the visual arts and music have played in shaping Italian national and cultural identity in the first decades of the 19th century. All romantic “sister arts” contributed to the creation of new homes and techniques in an effort to establish a modern relation between passion and beauty.

ITAL2501

6 Credits

Italian Culture and Civilization: Make in Italy:

Introduction to Entrepreneurship

The entrepreneur is an agent of change and an innovator who seizes opportunities and needs in a wide range of fields. Radical and rapid changes in new technologies, such as information technologies, bio techniques, new materials, renewable energies and the opportunities coming from a globalized and interconnected economy encourage the establishment of startups ready to act in different sectors. Moving from an analysis of the specific features of “made in Italy” and of “family business” both at the core of the Italian economic system, the course develops the idea that entrepreneurial culture fosters innovation in all spheres. This is mainly lab-oriented and challenges students to explore innovative ideas of business and discover their entrepreneurial potential. At the end of the course, students will be able to: analyze the value of an entrepreneurial idea through different perspectives, know the tools needed to establish and develop a startup.

ITAL3004

3 Credits

Italian Film and Culture

Through a variety of texts (prose, poetry, film, art), this course surveys contemporary Italian social, political and cultural life from the fall of Fascism to the present. Among the topics examined are resistance, post-resistance, post-World War II reconstruction, economic boom, the Mafia, immigration and Berlusconi years. Taught in English.

ITAL3007

3 Credits

Italian Culture and Civilization

This bilingual course introduces key topics in Italian history, politics, arts, literature, as well as the sciences. It addresses contemporary issues in Italian culture.

ITAL3008

3 Credits

Italian History and Art History

A course about the fundamental concepts of Italian history and art history, designed specifically to take advantage of the resources of the culturally rich city of Bergamo. The course is co-taught by a historian and an art historian in English. Course takes place in Italy and is offered at no cost for FDU students as long as they register

in one of the other courses offered in the study-abroad in Italy program. (Equivalent to ARTH3008/HIST3008 Italian History and Art History.)

ITAL3051

3 Credits

Italian Tragedy

The course, taught in English, explores the evolution of Italian tragedy from Greek and Roman models to the 20th-century tragic-comedy of Eduardo de Filippo.

ITAL3053

3 Credits

Creating a Nation

Through an exploration of the arts, this course deals with the historical and cultural events that led to Italy's unification. It will focus on romanticism, Risorgimento, Scapigliatura, realism and the way opera helped create a national spirit. The course is taught in English. Note: meets cultural course requirement.

ITAL3055

3 Credits

The Italian-American Experience

This course examines key moments in the history of Italian immigration, settlement and integration in North America — from the end of the 19th century to today — through literature and film. Note: meets cultural course requirement.

ITAL3056

3 Credits

Italy: Land of Migrations

In the last two centuries, Italy has been the source of a large migration outward and, in recent years, the destination for a large migration forward. This course explores these migrations to and from Italy through literature, film and documentaries, paying particular attention to the North American experience. Taught in English. (Equivalent to CINE3056/LITS3056 Italy: Land of Migrations.)

ITAL3301

3 Credits

Italian Advanced Conversation

Students read, view, write and converse about a wide variety of texts while acquiring advanced grammar skills — emphasis placed on oral communication. Prerequisites: ITAL2003 Italian Conversation I and ITAL2004 Italian Conversation II or permission of department chair.

ITAL3390

3 Credits

Italian Mafia in Literature and Film

The course examines the evolution of organized crime in Italy (termed Mafia, Cosa Nostra, Camorra, 'Ndrangheta, etc.) from its beginnings in the second half of the 19th century to the 21st century through the analysis of novels, films, newspaper articles and documentaries. (Equiva-

lent to LITS3390 Italian Mafia in Literature and Film.)

ITAL3452

3 Credits

Writing in Italian

Students read and write in a variety of content areas. Advanced grammar is reviewed as students expand their vocabulary and improve their written expression. Prerequisites: ITAL2003 Italian Conversation I and ITAL2004 Italian Conversation II or permission of department chair.

ITAL3501

3 Credits

Italian for Business

Business and social situations are enacted in Italian. Business correspondence skills are developed.

ITAL3502

3 Credits

Italian Translation

This course focuses on translating written material.

ITAL3666

3 Credits

Witches and Warlocks in the West

This course focuses on the definition of who and what is a witch, both in Europe and North America, from the Middle Ages to the 20th century. (Equivalent to LITS3666 Witches and Warlocks in the West.)

ITAL4800

1–6 Credits

Independent Study in Italian

Independent study under the direction of a specific faculty member after consultation with the department chairperson. Limited to advanced courses.

Japanese Language and Literature

*Department of Literature,
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JAPN1001

3 Credits

Beginning Japanese I

An introduction to the language with practice in reading, writing and conversation. Corequisites: JAPN1007 Japanese Practicum I and JAPN1008 Japanese Practicum II.

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JAPN1002

3 Credits

Beginning Japanese II

An introduction to the language with practice in reading, writing and conversation. Prerequisite: JAPN1001 Beginning Japanese I. Corequisites: JAPN1007 Japanese Practicum I and JAPN1008 Japanese Practicum II.

JAPN1007

1 Credit

Japanese Practicum I

This one-credit course is linked to JAPN1001 Beginning Japanese I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: JAPN1001 Beginning Japanese I.

JAPN1008

1 Credit

Japanese Practicum II

This one-credit course is linked to JAPN1002 Beginning Japanese II providing additional reinforcement through exercises that focus on listening and speaking skills. Prerequisite: JAPN1007 Japanese Practicum I. Corequisite: JAPN1002 Beginning Japanese II.

JAPN2001

3 Credits

Intermediate Japanese I

With the basic knowledge acquired in JAPN1001 Beginning Japanese I and JAPN1002 Beginning Japanese II, students learn more advanced grammar and build skills by using these in practical situations with practice in oral communication, writing and reading. Mastering 120 basic Kanji is also a course goal. Prerequisite: JAPN1002 Beginning Japanese II.

JAPN2002

3 Credits

Intermediate Japanese II

This course is the continuation of JAPN2001 Intermediate Japanese I. The course focuses on learning more advanced grammar and mastering additional 130 Kanji. Students build stronger skills to use the acquired knowledge in a practical way with additional practice in conversation, writing and reading. Prerequisite: JAPN2001 Intermediate Japanese I.

JAPN2003

3 Credits

Japanese Conversation I

Course focuses on conversation through writing, reading, literature and grammar. JAPN2003 Japanese Conversation I and JAPN2004 Japanese Conversation II may be taken in any order.

JAPN2004

3 Credits

Japanese Conversation II

This course reviews important grammar topics and discusses contemporary issues in Japan. JAPN2003 Japanese Conversation I and

JAPN2004 Japanese Conversation II may be taken in any order.

JAPN2505

3 Credits

Writing and Conversation Through Japanese Culture

With this course, students are to develop their language skills in Japanese and gain an understanding of Japanese culture. Prerequisite: JAPN2004 Japanese Conversation II.

JAPN2506

3 Credits

Japanese Culture and Civilization

This course, taught in English, introduces key topics in Japanese history, politics, art and literature as well as the sciences. It will also address contemporary issues in Japanese culture.

JAPN2507

3 Credits

Japanese Politics

This course addresses sociopolitical and economic similarities and differences between Japan and the West.

JAPN3015

3 Credits

Japanese Culture Through Film

Study of the culture of Japan through selected films. It highlights pivotal moments in Japanese history captured in Japanese movies. (Equivalent to CINE3015 Japanese Culture Through Film.)

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LITS2001

3 Credits

The European Tradition I

Reading and analysis of representative world literary texts; emphasis on narrative and dramatic texts and on common themes and motifs. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry or equivalent.

LITS2002

3 Credits

World Literature II: 13th–18th Centuries

Reading and analysis of representative world literary texts; emphasis on dramatic, narrative and poetic texts and on common themes and motifs. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry or equivalent.

LITS2003

3 Credits

Survey III: Approaches to World Literature

Reading and analysis of representative world literary texts; emphasis on dramatic, narrative, po-

etic and visual texts and on common themes and motifs. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry or equivalent.

LITS2004

3 Credits

Introduction to Literary Criticism

Introduction to the major schools of literary and cultural criticism developed in the last half century: new criticism, psychoanalysis, feminism, Marxism, semiotics, cultural studies, post-colonialism and environmentalism; emphasis on the ways in which class, racial, gender, sexual, national or religious identities define interpretive frameworks; analysis of texts drawn from literature and popular culture that illustrate aspects of the theories. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS2005

3 Credits

The European Tradition II

The course surveys European literature from the 17th through the 20th centuries, highlighting major authors, texts and literary movements in their historical, cultural and literary contexts. Readings include selections from poetry, drama, essays and fiction.

LITS2007

3 Credits

Short Story and Film

This course explores how works of short fiction have been adapted to the big screen; focus on genre, style, plot, symbolism, character and theme; examines the accommodations, alterations, additions and deletions that are undertaken when a short story is made into a film; why and how these stories are effectively transformed into movies, considering differences in plot, the genesis of the screenplay and the finished film product.

LITS2008

3 Credits

Literary Perspectives on Global Cultures

Sample literature from a variety of cultures from around the globe, seeking to understand the values, representations of individual experience, relationships to society at large and spiritual truths embodied. Considers how social, economic and political realities find expression in works of the creative imagination and how aesthetic choices are products of cultural identity and social environment. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS2009

3 Credits

The Bible and Its Influence

The course examines the Old and New Testaments both as literary texts and as a source for later literary inspiration. Texts studied may include both the Bible itself and later poetry, plays

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or narrative fiction based upon it, including such works as Milton's *Paradise Lost*, Bunyan's *Pilgrim's Progress*, Archibald MacLeish's *J.B.*, Joseph Heller's *God Knows* and Ngũgĩ wa Thiong'o's *Matigari*.

LITS2011

3 Credits

American Literature I

Survey of significant works and authors in American literature through the end of the 19th century. Authors include Melville, Hawthorne, Poe, Dickinson, Jacobs, Twain, Chopin.

LITS2503

3 Credits

Topics in Latino Literature

Major issues in Latino culture and identity in the United States; theoretical readings provide the foundations for close reading of Latino writings; special emphasis on issues of ethnicity, class and race, as represented in selected works of literature.

LITS3000

3 Credits

Literary Tour of England

Students read several British novels, short stories, novellas and poems in order to see how the literal map of southern literary England gets constructed and traversed. There is a study-abroad component. Students will write short papers and a longer one.

LITS3012

3 Credits

American Literature II

Survey of significant authors in American literature from the 20th century to the new millennium. Authors from Faulkner, Hemingway and O'Neill to Tennessee Williams and Toni Morrison. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry

LITS3013

3 Credits

African-American Literature

The course will examine the literary, cultural and social significance of both black characters and black writers and why Afro-centric literature continues to remain on the outside of mainstream literature consumption. Close attention will be paid to specific eras of writing each semester, such as slave literature, Reconstructionist literature, the Harlem Renaissance and the Black Arts Movement. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3014

3 Credits

American Dreams, American Tragedies

This course uses literature to address the question of how Americans have seen themselves

and been seen by others over the course of several centuries, focusing around versions of the promise of America initially defined by Crèvecoeur and Tocqueville. The class considers how American ideals of equality, opportunity and individual destiny have evolved, been challenged and redefined as expressed in the nation's art and writing, especially literature. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3015

3 Credits

American Writers in Italy

The course looks at writers who spent time in Italy and at what they wrote while they were there. The course includes texts (full or excerpts) by Hawthorne, Twain, Wharton, James, Hemingway, Dos Passos, Pound and Tennessee Williams. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3020

3 Credits

18th-century British Literature

Representative British verse, drama and prose from the late 17th century to the early 19th century. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3021

3 Credits

Victorian Age

Representative British poetry and prose from 1832 to the early 20th century, consideration of the emergence of popular genres and interaction between popular and literary styles. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3050

3 Credits

Classical Tradition

Study of major ancient Greek and Roman literary, philosophical and historical works and authors from Homer to Ovid; emphasis on the development of literary styles and forms, cultural continuities and comparative analysis. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3051

3 Credits

Medieval Literature

A survey of the major works of European literature from 500–1400 C.E., with emphasis on genre and themes in relation to historical and social forces that shaped these works; comparative study of non-European texts. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3052

3 Credits

Renaissance World

Representative European verse, drama and prose of the 15th through 17th centuries; emphasis on the development of various genres and literary forms in relation to historical and social forces that shaped these works; comparative study of non-European texts. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3053

3 Credits

18th- and 19th-century European Fiction

Study of leading writers of European fiction from 1700–1900; emphasis on emergence of the novel, novella and short story as genres; development of national literary traditions. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3054

3 Credits

Romanticism

Representative poetry and prose from 1789–1832 in England and Europe; attention to the interaction between social movements and literary styles and other artistic forms such as art and music. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3055

3 Credits

The Italian-American Experience

This course examines key moments in the history of Italian immigration, settlement and integration in North America from the end of the 19th century to today, through literature and film.

LITS3056

3 Credits

Italy: Land of Migrations

In the last two centuries, Italy has been the source of a large migration outward and, in recent years, the destination for a large migration inward. This course explores these migrations to and from Italy through literature, film and documentaries, paying particular attention to the North American experience. (Equivalent to CINE3056/ITAL3056 Italy: Land of Migrations.)

LITS3061

3 Credits

Contemporary World Literature

Study of international literature at the end of the 20th century and the beginning of the 21st century with emphasis on comparative analysis, common themes and styles and social and cultural texts. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

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LITS3064

1 Credit

Vietnam in Film and Literature

A one-credit course about the representation of the Vietnam War in film and literature. The course will meet for six two-and-a-half-hour blocks.

LITS3070

3 Credits

Voices of Contemporary India

Reading and analysis of Indian writers in English or indigenous languages (in translation) from the post-independence period to the present; emphasis on the social and cultural developments in the post-colonial period and the emergence of Indian literature as a major influence in world literature. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3071

3 Credits

Contemporary African Literature and Culture

A survey of drama, poetry, fiction and nonfiction from the African continent, in English and English translation, with emphasis on post-colonial period, the African aesthetic, African liberation movements and African religious and cultural values. Texts studied may include works by writers such as Mariama Bâ, Wole Soyinka, Naguib Mahfouz and J.M. Coetzee. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3072

3 Credits

Latin-American Women Writers

Selected readings in translation of significant authors of Latin-American literature.

LITS3073

3 Credits

Irish Literature

This course surveys some 1,500 years of Irish literature in the Irish language (read in translation) as well as Irish literature in English. Students will have the option of learning some modern Irish. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3081

3 Credits

Hispanic Traditions

Study of selected major Hispanic writers in translation from Cervantes to the present. Majors in Spanish read in the original language. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3082

3 Credits

Francophone World

Study in translation of selected writers from around the French-speaking world in Africa, the

West Indies, Canada, the Pacific Islands and Southeast Asia. Majors in French read in the original language. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3101

3 Credits

Greek and Roman Drama

Analysis of ancient drama emphasizing its origins and development and its literary, artistic, historical, psychological and sociological value and significance, as well as its continued influence on modern and contemporary drama. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3102

3 Credits

Studies in Drama

Analysis of significant plays, focusing on particular themes, playwrights, historical periods or forms of drama. Topics change with each offering. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3103

3 Credits

Modern Drama: 1880-1930

The course focuses on the innovative theater of Ibsen, Strindberg and Chekhov at the turn of the 20th century. Other playwrights (such as Pirandello and Brecht) may be considered as well. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3104

3 Credits

Contemporary American Drama

Reading and analysis of selected American plays and playwrights from the 1940s to the present. Emphasis on plays as literature and performance; trends in contemporary stagecraft; social issues in the drama. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3105

3 Credits

Contemporary European Drama

Study of major European plays, playwrights and dramatic movements since World War II. Emphasis on plays as literature and performance; trends in contemporary stagecraft; social issues in the drama. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent. (Equivalent to THEA3105 Contemporary European Drama.)

LITS3106

3 Credits

Contemporary World Drama

Study of major non-European plays, playwrights and dramatic movements since World War II. Emphasis on plays as literature and performance; trends in contemporary stagecraft; social

issues in the drama. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3107

3 Credits

Hispanic Drama

Study and analysis of major works of Spanish theater from the Renaissance to the present. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3111

3 Credits

Studies in Poetry

Reading and analysis of poetry focusing on specific themes, authors, historical periods or poetic forms. Topics change each offering. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3112

3 Credits

20th-century Poetry

Reading and analysis of representative poets and poetry; emphasis on the emergence and influence of modernist poetry. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3113

3 Credits

Women Poets and Poetic Tradition

Survey of poetry by and about women from ancient Greek poet Sappho through the 21st century. Writers to include Sappho, Wroth, Robinson, Hemans, L.E.L., Barrett Browning, Rossetti, Dickinson, Plath, Brooks, Rich and Lorde, among others. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry.

LITS3121

3 Credits

Studies in the Novel

Reading and analysis of novels and other prose fiction focusing on specific themes, authors, historical periods or forms of fiction. Topics change each offering. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3122

3 Credits

20th-century Novel

Study of representative novelists and novels from the early 20th century to post-World War II; emphasis on the emergence and influence of modernist fiction. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3123

3 Credits

Contemporary Fiction

Study of developments in the forms and themes of fiction since the 1960s. Prerequisite:

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ENGW1002 Composition II: Research and Argument or equivalent.

LITS3125

3 Credits

International Short Story

In this genre course focusing on short stories, students will derive an understanding of the short story form from the 19th century through the present day in global perspective. Emphasis on form, craft, narrative and national traditions (both in English and in translation). Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3130

3 Credits

Comedy, Satire and Parody

This course focuses on sentimental comedy, satire, farce and parody in a variety of genres, from a global perspective, both in English and English translation. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3151

3 Credits

Detective Fiction

Analysis of the way writers have shaped the genre with attention to literary strategies and structure and social-cultural contexts. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3152

3 Credits

Science Fiction

A study of the historical, thematic and theoretical development of the genre from the late 19th century to the present; analysis of the way writers have shaped the genre with attention to literary strategies and structure and social-cultural contexts. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3153

3 Credits

Comic Books and Graphic Novels

Examination of the literary, cultural and social significance of the graphic novel, its initial rise and its rising popularity as a literary medium; emphasis on the origins of the genre and its relationship to comic-book writing; exploration of comparative relationships between the graphic novel and other popular genres such as science fiction, the detective novel, historical fiction and fantasy literature. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3154

3 Credits

Women's Autobiography

This course examines autobiographical writing by women, particularly autobiographies, memoirs and diaries, and the way autobiographical writing may be shaped by gender. It will pay

attention to relationships between public and private writing, fiction and nonfiction and the relationship of the writer to her audience.

Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3155

3 Credits

The Gothic in Fiction and Film

Examination of the rise and development of the Gothic as a genre and its role in the history of literature, addressing such questions as why the Gothic has been such an enduring art form from its mid-18th century beginnings through Joyce Carol Oates and Stephen King; why it translates particularly well to the medium of film. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3156

3 Credits

The Novel in Letters

Examination of novels in letter form from the 1700s to the present from Europe, America and other countries; analysis of why the letter form has continuing appeal even in today's culture of email. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3161

3 Credits

Modern Literature

In the early 20th century, poet Ezra Pound had this advice for artists: "Make it new." In this course, students will explore how modernist writers attempted to reinvent literature. They will look at formal innovations (fragmented or nonlinear narrative, unusual approaches to point of view, language that questions its own meaning and other techniques). As the class reads poetry, fiction and nonfiction from the modernist period, it will also explore 20th-century historical forces (war, urbanization, the changing roles of women and others), which influenced both the form and content of modern literature. Prerequisite: ENGW1001 Composition I: Rhetoric and Inquiry.

LITS3201

3 Credits

British Writers

Reading and analysis of selected major authors assessing their aesthetic achievements and their cultural influence. Topics change with each offering. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3202

3 Credits

American Writers: Race in Black and White

This course focuses on representations of race by American writers from the mid-19th century to the present, with some reference to depictions of race from other media as well. Featured authors may include Harriet Beecher Stowe,

Mark Twain, Richard Wright, Randall Kennedy, William Faulkner, August Wilson and Chimamanda Ngozi Adichie. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3211

3 Credits

Dante

Reading and analysis in translation of Dante's major works, including *A New Life* and *The Divine Comedy*; consideration of Dante's place in Italian and European literatures and his continued influence. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3212

3 Credits

Chaucer

Study of medieval England's leading poet, emphasizing *The Canterbury Tales*; attention paid to Chaucer's language, life and times, his relationship to his contemporaries and his role as innovator in English poetry. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3213

3 Credits

Shakespeare I

A survey of Shakespeare's major poems, comedies, histories and tragedies; attention paid to Shakespeare's language, life and times and his role as innovator in English drama. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3214

3 Credits

Shakespeare II

Consideration of selected major poems, comedies, histories and tragedies, focusing on specific themes or approaches. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3215

3 Credits

Cervantes

Reading in translation and analysis of Cervantes' major works, focusing on *Don Quixote*; attention paid to Cervantes' life and times, his relationship to predecessors and contemporaries and his role as innovator in Spanish literature and world fiction. Spanish majors read texts in the original language. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3221

3 Credits

Medieval and Renaissance Women Writers

A survey of writing by women from the 11th–17th centuries in Europe and the Americas;

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consideration of the notion of a female voice; cross-dressing, public speaking and other social transgressions; gender and genre; the impact of changing historical conditions on women's artistic production. Reading in the original language encouraged. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3230

3 Credits

Jane Austen: Fiction and Film

Study of Austen's six novels published during and after her lifetime and exploration of their context in 18th-century literature, the Regency Era in Britain and the Romantic movements in Europe will lead to understanding her continued appeal in print and in film. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3300

3 Credits

Romance Languages

Origins and development of the Romance languages from Latin; introduction to basic principles of language structure; consideration of similarities and differences among various Romance languages. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3301

3 Credits

The English Language

An introduction to the systematic study of the structure and grammar of English in light of contemporary linguistic theory; survey of the historical development of English with emphasis on etymology; consideration of language in its social context; language acquisition; and recent linguistic controversies (e.g., bilingualism, non-standard dialects, gender differences). Recommended for prospective teachers. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3302

3 Credits

Myth and Sacred Texts

Consideration of the role of myth and sacred texts as the underpinnings of literature; comparative study of myths and sacred texts from different cultures, Western and non-Western; analysis of theories of myth. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3303

3 Credits

World Folk Literature

Study of fairy tales, märchen, wonder tales and legends from diverse cultures; examination of universal patterns in folk narrative; differences in oral vs. written storytelling; roles of the storyteller; function of folk tales in children's psychological development; modern critical evaluation

of folk literature; influence of folk literature in contemporary culture. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3311

3 Credits

Children's Literature

Survey of mid- to late-20th-century children's literature to examine how this literature reflects theories and notions of childhood as well as changes within society; texts include picture and chapter books, novels, graphic novels, film adaptations and criticism. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent, junior or senior standing.

LITS3312

3 Credits

Young Adult Literature

Survey of selected literature of the mid- to late-20th century that examines the transition to adulthood, sexuality, conflict between youth and parents, fantasy, responsibility and authority. Texts include commonly taught high school texts, coming-of-age novels, graphic novels, film adaptations and criticism; discussion of censorship and what is appropriate for young adults to read. Prerequisites: ENGW1002 Composition II: Research and Argument or equivalent, junior or senior standing.

LITS3313

3 Credits

Nobel Literature

Focus on Nobel Prize winners in literature, exploring cultural, aesthetic and political dimensions in their works; investigation of the Nobel award process. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3321

3 Credits

Post-modern Literature

Defining post-modern literature through consideration of a range of genres (fiction, film, drama, poetry and essay) from around the world; analysis of key stylistic elements (multiple voices, deeply ironic sense of humor, self-conscious storytelling and a richly allusive range of references to past literature and culture); examination of the changing relationship of popular culture to high culture. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3322

3 Credits

Post-colonial Studies

Exploration of writing by former colonial subjects (e.g., in Asia, Africa, South America); consideration of issues of colonial and post-colonial identity; the dynamics of power relationships between dominant and subaltern cultures (including racial and gender perspectives); role of mainstream literature in constructing colonial

identities; analysis of key theories and theorists. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3330

3 Credits

The Age of Discovery in World Perspective

This course looks at the era of European expansion from the mid-16th century through the 18th century from a multicultural perspective, considering cultural differences and cultural intrusion as reflected in literary expression. Writers studied may include: Olaudah Equiano, Mary Prince, Cao Xueqin, Molière, Aphra Behn, Matsuo Basho, Lady Mary Wortley Montagu, Mary Kingsley, Elizabeth Melville, Mary Rowlandson, Immanuel Kant, Jonathan Swift, Alexander Pope, Voltaire, Mary Wollstonecraft, Jean Jacques Rousseau or Friedrich Nietzsche. Oral literature may include the *Epic of Sundiata*. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3331

3 Credits

Ethnic American Literature

Consideration of poetry, fiction and other writing by members of various ethnic groups in the United States; assessment of contribution of ethnic experience to American cultural diversity. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3341

3 Credits

Queer Literature

This course examines the emergence of gay and/or lesbian literature as a group of text and a field of critical study. Readings may include Sappho and Plato, Michelangelo and Katherine Philips, Forster and Woolf as well as other 19th- and 20th-century writers and contemporary secondary material from gender studies and queer theory. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3350

3 Credits

Monsters and Bad States

An exploration of political and social nightmares and dreamscapes, drawing on literature, political theory and contemporary policy and public affairs. (Equivalent to GOVT3851 Monsters and Bad States.)

LITS3351

3 Credits

Literary Perspectives on the Environment

Examination of narratives of the environment; consideration of the impact of human activity on the environment as reflected in and represented by the stories created; comparative and intertextual readings of literary texts, United Nations

Mathematics

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policy papers, news reports, documentaries, photographs and artwork; analysis of how texts construct people's relations to the environment but also enable them to conceive of future alternatives. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3352

3 Credits

Music and Poetry

This course examines the relationship between poetry (or lyrics) and music throughout history. The class will study the oral tradition, devotional songs in various traditions, ballads and contemporary songwriters such as Bob Dylan, Bruce Springsteen and Joni Mitchell. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3390

3 Credits

Italian Mafia in Literature and Film

The course examines the evolution of organized crime in Italy (termed Mafia, Cosa Nostra, Camorra, 'Ndrangheta, etc.) from its beginnings in the second half of the 19th century to the 21st century through the analysis of novels, films, newspaper articles and documentaries. (Equivalent to ITAL3390 Italian Mafia in Literature and Film.)

LITS3441

3 Credits

Latin-American Theater

This course will survey important currents in the development of Latin-American theater. Dramatic texts will be studied to understand how they reflect on social and political issues. Moreover, how Latin-American dramatic discourse emerges within the context of colonialism, in response to other theatrical traditions and in its search for its own identity, will be key concepts explored in this course. Key moments from the early colonial period to the 20th century will form the class discussion.

LITS3462

3 Credits

Topics in Hispanic Poetry

This course surveys the development of poetry in Spain or Latin America. It examines major movements in the Hispanic lyric. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3551

3 Credits

Sex and Politics in French Literature

This course focuses on manners at court and beyond — from the 17th century to the end of the 19th century. Among the authors considered: Molière, Laclos, Marivaux, Dumas, Stendhal, Balzac, Baudelaire and Zola. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3552

3 Credits

Topics in Spanish Literature II

This course focuses on Romanticism, Realism, Modernism or other contemporary themes in Spanish literature. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3553

3 Credits

Shakespeare and Film

While Shakespeare's plays have been put on film since the invention of movies, recent years have witnessed a great increase in the production of Shakespeare movies as demonstrated by popular mainstream productions of "Othello," "Hamlet," "A Midsummer Night's Dream," "Twelfth Night" and "Romeo and Juliet." Made in a variety of production styles, these films have attracted a good deal of academic attention through college courses, articles, books and entire journals devoted to the subject. This course will cover a number of plays from text to realization on film and ask students to consider issues of cinematic and literary style.

LITS3561

3 Credits

Topics in Latin-American Literature I

This course focuses on the literature of Latin America from pre-Hispanic texts through the Enlightenment. Prerequisite: ENGW1002 Composition II: Research and Argument or equivalent.

LITS3562

3 Credits

Topics in Latin-American Literature II

This course focuses on the literature of Latin America from Romanticism to the present. Prerequisite: ENGW1002 Composition II: Research and Argument.

LITS3666

3 Credits

Witches and Warlocks in the West

This course focuses on the definition of who and what is a witch, both in Europe and North America, from the Middle Ages to the 20th century. (Equivalent to ITAL3666 Witches and Warlocks in the West.)

LITS4001

3 Credits

Senior Seminar: English and World Literatures

Advanced study and research on topics in literature and criticism; capstone course required of all seniors majoring in literature. Prerequisite: 12 credits in other literature (LITS) courses.

LITS4498

3 Credits

Internship

Practical experience working in a business, government or nonprofit setting or in the publications field, applying academic knowledge; academic component includes weekly journals and semester-evaluative paper and frequent interaction with department mentor.

LITS4800

1–6 Credits

Independent Study

Independent study under the direction of a specific faculty member after consultation with the department chairperson. Prerequisites: permission of instructor and approval of department chair.

LITS4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation. Prerequisite: permission of instructor and approval of department chair.

Writing and Creative Writing

See pages 367–369 for course descriptions.

Mathematics

Department of Mathematics, Computer Science and Physics

MATH0100

0 Credits

Intermediate Algebra Lab

Laboratory in coordination with MATH1100 Intermediate Algebra.

MATH0128

0 Credits

Mathematical Methods Lab

Laboratory for MATH1128 Mathematical Methods students to practice problem-solving skills. Corequisite: MATH1100 Intermediate Algebra.

MATH0198

4 Credits*

Computation Algebra Skills

Precollege mathematics: basic numerical concepts, fractions, operations with signed numbers, introductory algebra, graphs, operations of polynomials, simple and simultaneous linear equations. MATH0198 is designed for students with deficiencies in both computational mathematics and elementary algebra. Placement in MATH0198 is made by the Academic Support Center and based on performance on a placement test. Prerequisite credit only.*

Fall

*Prerequisite credits are credits that do not count toward graduation nor are they averaged into the cumulative grade point ratio (CGPR).

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MATH0298

3 Credits*

Algebra Skills

Precollege mathematics: basic arithmetical concepts, graphs and charts, introductory algebra. No credit toward graduation requirements.

Prerequisite credit only.*

Fall, Spring

MATH1100

4 Credits

Intermediate Algebra

A course for students who have passed or tested out of MATH0298 Algebra Skills, but need additional preparation for MATH1107 Precalculus or MATH1128 Mathematical Methods. Topics will range from linear and quadratic equations to exponential and logarithmic functions. Prerequisite: MATH0298 Algebra Skills or placement.

Fall, Spring

MATH1107

4 Credits

Precalculus

Algebraic operations, factoring, exponents, radicals; quadratic and higher degree equations; systems of linear equations; functions and their graphs; exponential, logarithmic and trigonometric functions and their graphs; trigonometric identities; triangle trigonometry. Prerequisite: placement or MATH0298 Algebra Skills with a grade of B+ or MATH1100 Intermediate Algebra.

Fall, Spring

MATH1126

3 Credits

Contemporary Mathematics

An introduction to mathematical concepts relevant to the modern world. Topics include graph theory, planning and scheduling, linear programming, analysis of data, probability, social choice, weighted voting systems, game theory, growth and form, the size of populations, measurement and patterns. Meets mathematics core requirement (in place of MATH1128 Mathematical Methods) for Becton College students majoring in humanities or social or behavioral science disciplines. Prerequisite: placement or MATH0298 Algebra Skills with a minimum grade of B or MATH1100 Intermediate Algebra.

Fall, Spring

MATH1128

3 Credits

Mathematical Methods

Linear and nonlinear equations and functions, exponential and logarithmic functions, simple and compound interest, annuities, matrices and simultaneous equations, sets, introduction to calculus. Prerequisite: placement or MATH0298 Algebra Skills with a minimum grade of B or MATH1100 Intermediate Algebra.

Fall, Spring

*Prerequisite credits are credits that do not count toward graduation nor are they averaged into the cumulative grade point ratio (CGPR).

MATH1129

3 Credits

Introduction to Statistics

Elementary probability and statistics, descriptive and visual statistics, elements of probability, sampling distribution, estimation theory, test of hypothesis and other aspects of statistical inference.

Fall, Spring

MATH1130

3 Credits

Invitation to Mathematics

The course looks at mathematics in a visual and intuitive manner and develops mathematics as a means of effective reasoning to discover patterns and solve problems. Intended for students with majors outside mathematics and science, the course requires only high school algebra. The class will study several types of mathematical structures such as prime numbers, covering the plane with tiles and statistical patterns in data, and find ways to ask and answer questions about these structures. Prerequisites:

ENGW1002 Composition II: Research and Argument and MATH1100 Intermediate Algebra.

MATH1133

3 Credits

Applied Statistics

An introduction to statistics with applications to the social, behavioral and natural sciences. Introduction to computational statistics using a major statistical computer package. Prerequisite: placement or MATH0298 Algebra Skills with a minimum grade of B or MATH1100 Intermediate Algebra, MATH1107 Precalculus or MATH1203 Calculus I.

Fall, Spring

MATH1155

3 Credits

Mathematical Ideas

Survey of traditional and contemporary mathematics and applications to the real world. The topics are developed within a historical framework and designed to develop an appreciation of the role and universality of mathematics in the global marketplace. Topics include concepts and applications of set theory, symbolic logic, elementary number theory and mathematical reasoning. Offered as a mathematics elective (not for mathematics or computer science majors). Prerequisite: MATH1100 Intermediate Algebra or MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

MATH1203

4 Credits

Calculus I

Slope of a straight line, equations of lines, slope of curve, rate of change of function, derivatives of algebraic functions, maxima and minima, Mean Value Theorem, indefinite and definite in-

tegrals and their applications. Prerequisite: MATH1107 Precalculus with a grade of C- or better or by placement.

Fall, Spring

MATH1239

3 Credits

Calculus with Business Applications

Slopes and linear functions, other functions and models, limits and continuity, average rates of change, instantaneous rates of change in business and economics, differentiation techniques, maxima and minima values used in graphing and their application to business and economics, inventory cost and marginal analysis and introduction to integration. Prerequisite: MATH1100 Intermediate Algebra. For Silberman College of Business students only. Permission of instructor required.

Fall

MATH2133

3 Credits

Forensic Mathematics and Statistics

This is a one-semester mathematics course designed for criminology majors. A wide range of mathematics techniques with emphasis on forensic applications would be included. Covered topics would be selected from the following: functions, equations, algebraic manipulations, applications of exponential and logarithmic functions, trigonometric methods, graphs, linear regression, probability and comparative statistics. A large number of examples will be selected from the following applications: ballistic calculations, ricochet analysis, trajectory of a falling body, quantification of drugs and their metabolites, elimination of alcohol from the body, bloodstain shape and formation, bloodstain impact angle, blood phenotype distribution, the matching of hair evidence, genotype frequencies and DNA evidence, probability and uniqueness of fingerprints and human teeth marks. Several group projects on solving cases will be used. Excel will be used in data-analysis projects. Prerequisite: MATH1126 Contemporary Mathematics.

MATH2202

4 Credits

Calculus II

Differentiation and integration of transcendental functions, log functions, methods of integration, indeterminate forms, infinite series, Taylor series, Conic sections. Prerequisite: MATH1203 Calculus I.

Fall, Spring

Mathematics

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MATH2203

4 Credits

Calculus III

Lines and planes in 3-space. Vectors, functions of several variables, partial derivatives, multiple integrals, line integrals, vector analysis. Prerequisite: MATH2202 Calculus II.

Fall, Spring

MATH2255

3 Credits

Discrete Structures

Set theory, algebraic structures, Boolean algebra and propositional logic, graph theory and other aspects of combinatorial mathematics. Prerequisite: MATH1203 Calculus I.

Fall

MATH3210

3 Credits

Number Theory

A study of the integers: prime numbers, unique factorization, congruence, theorems of Fermat and Euler, quadratic reciprocity, Diophantine equations and applications to cryptography and coding. Prerequisite: CSCI2255 Discrete Structures or MATH2255 Discrete Structures.

MATH3220

3 Credits

Linear Algebra

Vector spaces, linear independence, bases, linear transformation, matrix algebra, inner product, spaces, linear equations, special topics. Prerequisite: MATH2202 Calculus II.

Spring

MATH3225

3 Credits

Abstract Algebra

Elements of the theories of groups, rings, integral domains and fields, polynomial rings, factorization theory and field extensions. Prerequisites: MATH2202 Calculus II and MATH3220 Linear Algebra.

MATH3232

3 Credits

Multivariable Advanced Calculus

A survey of functions of several variables, multiple integrals, vector calculus, line integral, surface integral and Green's and Stokes theorem. Prerequisites: MATH1203 Calculus I, MATH2202 Calculus II, MATH2203 Calculus III and MATH3220 Linear Algebra.

MATH3250

3 Credits

Numerical Analysis

Introduction to numerical approximations suitable for computer use. Roots of polynomials, numerical integration, numerical solutions of differential equations, error estimation. Prerequisite: MATH2202 Calculus II.

MATH3251

3 Credits

Introductory Analysis

The real number system, sequences and series, functions and continuity, differentiability, the Riemann integral, sequences and series of functions. Prerequisites: MATH2203 Calculus III and MATH2255 Discrete Structures.

MATH3269

3 Credits

Introduction to Data Mining

This course introduces the fundamental concepts of data mining. Students will gain an in-depth understanding of algorithms in the field, and will learn how to prepare data for learning and classification. Topics covered include data preprocessing, classification, cluster and outlier analysis and text mining. Students will work on projects applying the theory learned. Prerequisite: CSCI2235 Data Structures and Algorithms or CSCI3333 Computer Algorithms or MATH3300 Statistics I or permission of department chair.

MATH3300

3 Credits

Statistics I

A calculus-based introduction to statistics covering a range of topics from descriptive statistics, discrete and continuous probability distributions, sampling distributions, interval estimation, test of hypothesis, linear regression and ANOVA. Prerequisite: MATH1203 Calculus I.

MATH3303

3 Credits

Probability

This course introduces students to the basic theory of probability. Both discrete and continuous probabilistic models are used to solve problems. Concepts and techniques from discrete math such as Boolean algebra are used in discrete cases. Differentiation and integration techniques are used in continuous cases. Students get familiar with common discrete distributions: binomial, geometric and Poisson. Continuous distributions covered include: normal, gamma and chi-squared. Students also learn how to calculate means, variances and moment-generating functions. Prerequisite: MATH2202 Calculus II. Corequisite: MATH3313 Probability Practicum.

MATH3304

3 Credits

Combinatorics

Arrangements, selections and distributions. Generating functions, partitions and recurrence relations. Inclusion-exclusion principle. Graph models and isomorphisms. Planarity. Euler and Hamilton circuits. Graph coloring. Trees and graph algorithms. Application particularly to computer science. Prerequisite: CSCI2255/ MATH2255 Discrete Structures.

MATH3305

3 Credits

Advanced Probability and Statistics

This course exposes students familiar with the basic theory of probability to a few more advanced areas of probability and one special area of statistical analysis. The probabilistic areas include multivariate probability distributions and functions of random variables. The statistical component covers linear models, including both simple and multiple linear-regression analysis. Prerequisites: MATH1203 Calculus I and MATH3303 Probability.

MATH3307

3 Credits

Mathematics of Finance

Students will develop an understanding of the fundamental concepts of financial mathematics with emphasis on applications in calculating present and accumulated values for various streams of cash flows. Topics include valuation of annuities, loan amortizations, bond valuation, the rate of return on investment, asset-liability matching and immunization. Prerequisite: MATH1203 Calculus I.

MATH3308

3 Credits

Statistical Methods

This course provides an in-depth coverage of the techniques of estimation, hypothesis testing, linear models: simple and multiple linear regression and the analysis of variance and categorical data. Prerequisite: MATH3303 Probability.

MATH3309

3 Credits

Numerical Analysis

Numerical solution of problems in analysis using the computer interpolation approximation, numerical integration and differentiation, solution of nonlinear equations and differential equations. Prerequisites: CSCI1205 Introduction to Computer Programming and MATH3318 Differential Equations.

MATH3312

3 Credits

Theory of Computing

Finite state deterministic and nondeterministic automata, pushdown, linear bounded and infinite automata, formal languages and computability. Prerequisite: MATH2255 Discrete Structures.

MATH3313

0 Credits

Probability Practicum

This is a problem-solving workshop accompanying MATH3303 Probability. Students practice calculating probabilities of events, conditional probabilities, means, variances and moments of random variables. The concepts of independent events and mutually exclusive events are ex-

Music

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pored. Bayes' rule, three diagrams, moment-generating functions and other probabilistic tools are used in solving problems in both discrete and continuous cases. Corequisite: MATH3303 Probability.

MATH3316

3 Credits

Partial Differential Equations

Derivation of partial differential equations, boundary conditions, method of separation of variables. Fourier series, curvilinear coordinates, orthogonal functions, generating functions and classification of equations. Prerequisites: MATH2203 Calculus III and MATH2255 Discrete Structures.

MATH3317

3 Credits

Real Variables

Real number system. Introduction to measure theory and Lebesgue integration. Convergence theorems and special topics. Prerequisites: MATH3232 Multivariable Advanced Calculus and MATH3251 Introductory Analysis.

MATH3318

3 Credits

Differential Equations

First-order differential equations and applications, linear differential equations and applications, Laplace transforms, systems of equations, solutions in terms of power series, partial differential equations. Prerequisite or corequisite: MATH2203 Calculus III.

MATH3331

3 Credits

Higher Geometry

The axiomatic approach to Euclidean and non-Euclidean geometry. Affine, projective, inverse, hyperbolic and spherical geometries according to Felix Klein's Erlangen program. Prerequisite: MATH3220 Linear Algebra.

MATH3335

3 Credits

Complex Variables

Analytic functions, Cauchy's integral and theorem and consequences, calculus of residues, entire and meromorphic functions, conformal mapping. Prerequisite: MATH2203 Calculus III.

MATH3355

3 Credits

Introduction to Cryptography

Cryptography is the branch of mathematics that studies the design of systems for communication over non-secure channels. It uses ideas from number theory and abstract algebra to cover topics from classical cryptosystems (ciphers) to 1970s breakthroughs such as Diffie-Hellman's key exchange and RSA cryptography (public key) to the more recent methods of elgamal and elliptic curves. Prerequisite: MATH2255 Discrete Structures.

MATH3360

3 Credits

Topology

Metric and topological spaces, continuity, compactness, connectedness, homotopy, homology and special topics. Prerequisites: MATH3225 Abstract Algebra and MATH3251 Introductory Analysis.

MATH3365

3 Credits

Mathematics of Operations Research

A study of the principal mathematical techniques used in operations research, including model formulation, optimization, linear and nonlinear programming, game theory, queuing theory, statistics and applications.

MATH3371

3 Credits

Modeling and Simulation

Definition of systems. Input, output and state variables. Continuous and discrete dynamical systems. Differential equations and their use in modeling. The CSMP language and its use. Prerequisites: MATH2203 Calculus III and knowledge of a programming language.

Spring

MATH4001, MATH4002

1-3 Credits

Mathematics Internship

Supervised practical experience in the field of mathematics in a professional setting. Permission of the instructor and department chair required.

Fall, Spring, Summer

MATH4007

3 Credits

Financial Mathematics II

The course introduces students to mathematical models used in finance. Topics include arbitrage, the Black-Scholes option pricing model, utility functions, optimal portfolio selection, capital assets pricing model. Prerequisites: MATH3303 Probability and MATH3307 Mathematics of Finance.

MATH4401

6 Credits (3 Credits Each Semester)

Selected Topics in Mathematics

Advanced studies in special fields of mathematics.

MATH4430

1-3 Credits Each Semester

Selected Studies in Mathematics

Studies in an area of mathematics.

MATH4477

1-3 Credits Each Semester

Honors Research and Thesis

MATH4498

1-3 Credits

Co-op in Mathematics

Integration of classroom study with specific planned periods of supervised learning in paid and relevant employment experiences. Co-op education combines learning on the job, University course work and career-development skills. Students are encouraged to complete two complementary co-op courses.

MATH4800

1-3 Credits Each Semester

Independent Study in Mathematics

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

MATH4999

0 Credits

Mathematics Assessment

This course is a level-assessment test for evaluating the breadth of knowledge in the major requirement and major elective courses. No class time is allocated for this course. The test is administered once every semester.

Fall, Spring

Graduate Courses

Graduate courses may be taken by seventh- or eighth-semester students who receive the approval of the department chairperson.

Interested students should see the *Graduate Studies Bulletin* for list of courses and descriptions.

Music

School of the Arts

Applied Music

MUSIC1015

3 Credits

Basic Vocal Technique

This course uses a workshop format to teach vocal anatomy, proper breathing, balanced tone as well as work on vocal registers and vocal health. Each student will be assigned pieces from musical theater and/or the classical repertoire. This course is targeted for freshman theater arts majors with a concentration in musical theater and/or other students wishing to improve their singing and gain confidence and skill set for solo singing. (Equivalent to THEA1015 Basic Vocal Technique.)

MUSIC1020

1 Credit

Chorus

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1022**1 Credit****Chorus II**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1023**1 Credit****Chorus III**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1024**1 Credit****Chorus IV**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1025**1 Credit****Chorus V**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1026**1 Credit****Chorus VI**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1027**1 Credit****Chorus VII**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1028**1 Credit****Chorus VIII**

A performance ensemble of mixed voices for the rehearsal and performance of choral music. A

wide variety of classical and popular songs are performed. Performances scheduled throughout the academic year. No previous singing or musical ability is required.

MUSIC1050**1 Credit****Band**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1052**1 Credit****Band II**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1053**1 Credit****Band III**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1054**1 Credit****Band IV**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1055**1 Credit****Band V**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1056**1 Credit****Band VI**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1057**1 Credit****Band VII**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1058**1 Credit****Band VIII**

A performance ensemble, rehearsing each week and performing at selected FDU games and in concerts.

MUSIC1361**1 Credit****Private Instruction in Bass**

A one-semester course for private instruction in bass.

MUSIC1362**1 Credit****Private Instruction in Bass II**

A one-semester course seeking greater proficiency in private double bass or electric bass. Prerequisite: MUSIC1362 Private Instruction in Bass.

MUSIC1363**1 Credit****Private Instruction in Bass III**

A one-semester course seeking greater proficiency in private double bass or electric bass. Prerequisite: MUSIC1362 Private Instruction in Bass II.

MUSIC1364**1 Credit****Private Instruction in Bass IV**

A one-semester course seeking greater proficiency in private double bass or electric bass. Prerequisite: MUSIC1363 Private Instruction in Bass III.

MUSIC1365**1 Credit****Private Instruction in Bass V**

A one-semester course for those seeking proficiency in double bass or electric bass. Music instructor will provide detailed musical curriculum. Prerequisite: MUSIC1364 Private Instruction in Bass IV.

*Fee***MUSIC1366****1 Credit****Private Instruction in Bass VI**

A one-semester course for those seeking proficiency in double bass or electric bass. Music instructor will provide detailed musical curriculum. Prerequisite: MUSIC1365 Private Instruction in Bass V.

*Fee***MUSIC1367****1 Credit****Private Instruction in Bass VII**

A one-semester course for those seeking proficiency in double bass or electric bass. Music instructor will provide detailed musical curriculum. Prerequisite: MUSIC1366 Private Instruction in Bass VI.

*Fee***MUSIC1368****1 Credit****Private Instruction in Bass VIII**

A one-semester course for those seeking proficiency in double bass or electric bass. Music instructor will provide detailed musical curriculum. Prerequisite: MUSIC1367 Private Instruction in Bass VII.

Fee

Music

Maxwell Becton College of Arts and Sciences
Florham Campus

MUSIC1375

1 Credit

Private Instruction in Piano

A one-semester course for private instruction in piano.

Fee

MUSIC1376

1 Credit

Private Instruction in Voice

A one-semester course for private instruction in voice.

Fee

MUSIC1377

1 Credit

Private Instruction in Woodwinds I

A one-semester continued course in private flute, clarinet, saxophone, oboe and other wind instruments. The music instructor will provide detailed musical course curriculum.

Fee

MUSIC1378

1 Credit

Private Instruction in Woodwinds II

A one-semester continued course in private flute, clarinet, saxophone, oboe and other wind instruments. The music instructor will provide detailed musical course curriculum. Prerequisite: MUSIC1377 Private Instruction in Woodwinds I.

MUSIC1379

1 Credit

Private Instruction in Woodwinds III

A one-semester continued course in private flute, clarinet, saxophone, oboe and other wind instruments. The music instructor will provide detailed musical course curriculum. Prerequisite: MUSIC1378 Private Instruction in Woodwinds II.

MUSIC1380

1 Credit

Private Instruction in Voice II

A one-semester course for private instruction in voice. Prerequisite: MUSIC1376 Private Instruction in Voice.

Fee

MUSIC1381

1 Credit

Private Instruction in Woodwinds IV

A one-semester continued course in private flute, clarinet, saxophone, oboe and other wind instruments. The music instructor will provide detailed musical course curriculum. Prerequisite: MUSIC1379 Private Instruction in Woodwinds III.

MUSIC1386

1 Credit

Private Instruction in Piano II

Private applied lesson in piano. Prerequisite: MUSIC1375 Private Instruction in Piano.

Fee

MUSIC1387

1 Credit

Private Instruction in Piano III

A continuation of MUSIC1386 Private Instruction in Piano II where students are seeking a greater proficiency.

MUSIC1388

1 Credit

Private Instruction in Piano IV

A continuation of MUSIC1387 Private Instruction in Piano III where students are seeking a greater proficiency.

MUSIC1391

1 Credit

Private Instruction in Guitar

A one-semester course for private instruction in guitar.

Fee

MUSIC1392

1 Credit

Private Instruction in Guitar II

Private lesson applied in guitar. Continuation of MUSIC1391 Private Instruction in Guitar. Prerequisite: MUSIC1391 Private Instruction in Guitar.

Fee

MUSIC1393

1 Credit

Private Instruction in Guitar III

Private applied lesson in guitar. Continuation of MUSIC1391 Private Instruction in Guitar and MUSIC1392 Private Instruction in Guitar II. Prerequisite: MUSIC1392 Private Instruction in Guitar II.

Fee

MUSIC1394

1 Credit

Private Instruction in Guitar IV

A continuation of MUSIC1393 Private Instruction in Guitar III. Prerequisite: MUSIC1393 Private Instruction in Guitar III.

Fee

MUSIC1396

1 Credit

Private Instruction in Violin I

A one-semester course of private instruction in violin.

Fee

MUSIC1397

1 Credit

Private Instruction in Violin II

A one credit course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1396 Private Instruction in Violin I.

Fee

MUSIC1398

1 Credit

Private Instruction in Violin III

A one credit course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1397 Private Instruction in Violin II.

Fee

MUSIC1399

1 Credit

Private Instruction in Violin IV

A one credit course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1398 Private Instruction in Violin III.

Fee

MUSIC1401

1 Credit

Private Instruction in Voice III

A one-semester continued course in private voice. Prerequisite: MUSIC1380 Private Instruction in Voice II.

Fee

MUSIC1402

1 Credit

Private Instruction in Voice IV

A one-semester continued course in private voice. Prerequisite: MUSIC1401 Private Instruction in Voice III.

Fee

MUSIC1405

1 Credit

Private Instruction in Voice V

A one-semester course of private instruction for the student seeking continued proficiency in voice. Prerequisite: MUSIC1402 Private Instruction in Voice IV.

Fee

MUSIC1406

1 Credit

Private Instruction in Voice VI

A one-semester course of private instruction for the student seeking continued proficiency in voice. Prerequisite: MUSIC1405 Private Instruction in Voice V.

Fee

MUSIC1407

1 Credit

Private Instruction in Voice VII

A one-semester course of private instruction for the student seeking continued proficiency in voice. Prerequisite: MUSIC1406 Private Instruction in Voice VI.

Fee

MUSIC1408

1 Credit

Private Instruction in Voice VIII

A one-semester course of private instruction for the student seeking continued proficiency in

voice. Prerequisite: MUSIC1407 Private Instruction in Voice VII.

Fee

MUSIC1411

1 Credit

Private Instruction in Violin V

A one-semester course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1399 Private Instruction in Violin IV.

Fee

MUSIC1412

1 Credit

Private Instruction in Violin VI

A one-semester course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1411 Private Instruction in Violin V.

Fee

MUSIC1413

1 Credit

Private Instruction in Violin VII

A one-semester course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1412 Private Instruction in Violin VI.

Fee

MUSIC1414

1 Credit

Private Instruction in Violin VIII

A one-semester course of private instruction for the student seeking continued proficiency in violin. Prerequisite: MUSIC1413 Private Instruction in Violin VII.

Fee

MUSIC1415

1 Credit

Private Instruction in Guitar V

A continuation of MUSIC1394 Private Instruction in Guitar IV. Prerequisite: MUSIC1394 Private Instruction in Guitar IV.

Fee

MUSIC1416

1 Credit

Private Instruction in Guitar VI

A continuation of MUSIC1415 Private Instruction in Guitar V. Prerequisite: MUSIC1415 Private Instruction in Guitar V.

Fee

MUSIC1417

1 Credit

Private Instruction in Guitar VII

A continuation of MUSIC1416 Private Instruction in Guitar VI. Prerequisite: MUSIC1416 Private Instruction in Guitar VI.

Fee

MUSIC1418

1 Credit

Private Instruction in Guitar VIII

A continuation of MUSIC1417 Private Instruction in Guitar VII. Prerequisite: MUSIC1417 Private Instruction in Guitar VII.

Fee

MUSIC1425

1 Credit

Private Instruction in Piano V

A continuation of private instruction in piano where students are seeking a greater proficiency. Prerequisite: MUSIC1388 Private Instruction in Piano IV.

Fee

MUSIC1426

1 Credit

Private Instruction in Piano VI

A continuation of private instruction in piano where students are seeking a greater proficiency. Prerequisite: MUSIC1425 Private Instruction in Piano V.

Fee

MUSIC1427

1 Credit

Private Instruction in Piano VII

A continuation of private instruction in piano where students are seeking a greater proficiency. Prerequisite: MUSIC1426 Private Instruction in Piano VI.

Fee

MUSIC1428

1 Credit

Private Instruction in Piano VIII

A continuation of private instruction in piano where students are seeking a greater proficiency. Prerequisite: MUSIC1427 Private Instruction in Piano VII.

Fee

MUSIC1435

1 Credit

Private Instruction in Woodwinds V

A one-semester continued course in flute, clarinet, saxophone, oboe or other wind instruments. Prerequisite: MUSIC1381 Private Instruction in Woodwinds IV.

Fee

MUSIC1436

1 Credit

Private Instruction in Woodwinds VI

A one-semester continued course in flute, clarinet, saxophone, oboe or other wind instruments. Prerequisite: MUSIC1435 Private Instruction in Woodwinds V.

Fee

MUSIC1437

1 Credit

Private Instruction in Woodwinds VII

A one-semester continued course in flute, clarinet, saxophone, oboe or other wind instruments. Prerequisite: MUSIC1436 Private Instruction in Woodwinds VI.

Fee

MUSIC1438

1 Credit

Private Instruction in Woodwinds VIII

A one-semester continued course in flute, clarinet, saxophone, oboe or other wind instruments. Prerequisite: MUSIC1437 Private Instruction in Woodwinds VII.

Fee

MUSIC2015

3 Credits

Vocal Technique II

The course continues developing skills for proper and healthy singing. It will concentrate on the emergence of a personal, convincing and appropriate expressive style on the basis of free singing tone and well-supported vocal mechanism. Students will be assigned pieces from musical theater or the classical repertoire. Prerequisite: MUSIC1015 Basic Vocal Technique. (Equivalent to THEA2015 Vocal Technique II.)

MUSIC2339

3 Credits

Musical Theater Workshop

A course designed to offer instructional training in singing for the musical theater. Emphasis will be placed on vocal training, rhythm and presentation, and each student will be helped to choose material suitable for his or her vocal range. (Equivalent to THEA2339 Musical Theater Workshop.)

MUSIC2340

3 Credits

Advanced Musical Theater Workshop

A performance workshop for advanced theater majors and singers. It focuses on improving singing and acting skills in the performances of songs and audition techniques. Prerequisite: MUSIC2339 Musical Theater Workshop. (Equivalent to THEA2340 Advanced Musical Theater Workshop.)

MUSIC4422

1-3 Credits

Internship in Music I

Internship within music that integrates classroom learning with supervised employment in an area relevant to the student's educational and career goals. Interns are expected to work a full semester with hours to be determined by both the academic department and the hiring organization.

Philosophy

Maxwell Becton College of Arts and Sciences
Florham Campus

MUSIC4423

1–3 Credits

Internship in Music II

Continuing internship within music that integrates classroom learning with supervised employment in an area relevant to the student's educational and career goals. Interns are expected to work a full semester with hours to be determined by both the academic department and the hiring organization.

Music History

MUSIC2221

3 Credits

Fundamentals of Music Theory

An introduction to music theory, including the development of basic skills in reading and notating music, ear-training, sight-singing and the study of rhythm, melody, scales, keys, intervals and triads.

MUSIC2311

3 Credits

Children's Musical Theater

This course is designed to bring theater to younger audiences (5th–8th graders) by writing, designing and acting in a production created by students and toured to two to three middle schools in the vicinity. The rehearsal process will occur during the final week of summer break and then tour during the early part of the following fall semester. Students will learn how to create a production from the initial script to final performance in all aspects. (Equivalent to THEA2311 Children's Theater.)

MUSIC4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

MUSIC4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: MUSIC4900 Faculty/Student Research.

MUSIH1021

3 Credits

Popular Music and Jazz

A survey of American popular musical styles of the last hundred years. In addition to lectures and discussions, the course makes extensive use of audio and video materials. Note: Fulfills cultural requirement.

MUSIH2205

3 Credits

Music for the Movies

An examination of film from the musical perspective, covering the history of music in films from the silent era to the present; the aesthetics of film music and how music works with (or against) the other elements of a film; and some discussion on the techniques of film scoring.

MUSIH2211

3 Credits

Survey of Music: Ancient to 1800

A survey of art ("classical") music from the ancient Greek period to the age of Beethoven. The course traces the development of Medieval and Renaissance music, and emphasizes the Baroque and classical eras, particularly Bach, Handel, Haydn, Mozart and Beethoven. Beginning with an introduction to the basic materials of music, the course focuses on the history of art music, the major composers from the 12th through the 18th centuries, their important works, stylistic and formal traits and the cultural-historic setting in which their music was created.

MUSIH2212

3 Credits

Survey of Music: 1800 to Today

A survey of art ("classical") music from the age of Beethoven to the present day. This course traces the development of music of the Romantic and Modern eras. Beginning with an introduction to the basic materials of music, the course focuses on the history of art music, the major composers from Beethoven to the present, their important works, stylistic and formal traits and the cultural-historic settings in which their music was created.

MUSIH3344

3 Credits

History of the Musical

A survey of the history of contemporary musical theater from its origins in the 19th century through present day. In addition to lectures and discussions, the course makes extensive use of audio and video materials. (Equivalent to THEAH3344 History of the Musical.)

Music Practicum

MUSIC4402

1 Credit

Performing Ensemble

Open to instrumentalists for the development of ensemble skills. Students will be grouped into appropriate ensembles to include chamber ensembles and/or the Fairleigh Dickinson University Pep Band. Weekly group coachings will culminate in at least one performance per semester.

MUSIC4800

1–3 Credits Each Semester

Independent Study in Music

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

Philosophy

**Department of Literature,
Language, Writing and Philosophy**

PHIL1101

3 Credits

Introduction to Logic

Principles of correct reasoning for understanding, analyzing and criticizing a variety of deductive and inductive arguments. Contents include: informal fallacies, truth and validity, principles of deductive reasoning, natural deduction, truth tables and symbolizations.

Fall, Spring

PHIL1102

3 Credits

Introduction to Philosophy

Problems of metaphysics such as the nature of reality, the nature of self, relation of mind and body; and problems of epistemology such as the sources, nature and limits of knowledge, the relationship between knowledge and reality and the nature of truth. In addition, this course aims at enhancing reasoning and critical-thinking abilities as well as reading and writing skills.

Fall, Spring

PHIL1103

3 Credits

Ethics

Moral philosophy seeks to answer questions like the following: What is a moral duty? Why is it that human beings are capable of conceiving of moral duties and rights? Why do different cultures impose different moral obligations on their members? Does this mean that there are no universally valid moral codes? Are there any methods, rules or procedures that can help us figure out what our duties are in given situations? Are there any theories that can assist us with determining our moral obligations? Why is there more than one theory? — after all, it sounds plausible that there should be a "right" answer to questions concerning moral duties. What is it that makes a theory "good" — or "bad"?

PHIL1106

3 Credits

Ideas of Happiness

Clarification of personal values and decisions by looking at important ideas of happiness. Examination of Western concepts of happiness in an attempt to clarify implications of personal value commitments. Authors may include Aristotle, Marcus Aurelius, Nietzsche, Camus and Hesse.

Philosophy

Maxwell Becton College of Arts and Sciences
Florham Campus

PHIL1107

3 Credits

Dreams and the Imagination

Study of a number of theories about dreaming using Freud's dreams as specimens. Discussion of broader functions of the imagination, its role in human knowledge and in the formation of culture.

PHIL1112

3 Credits

Critical Thinking for College and Life

This course focuses on skills and methods for developing and evaluating arguments in writings and everyday life. It affords, in an introductory way, keys to analytical thinking.

PHIL1114

3 Credits

Philosophy Through Movies

This course draws philosophical issues and positions from a carefully chosen selection of films.

PHIL1119

3 Credits

Legal Issues from a Philosophic Perspective

This course examines philosophical issues underpinning current legal controversies. Understanding the philosophy behind the issues helps plan effective strategies in supporting a side of the issue. Of special interest for prelaw students and those interested in social policy. Questions addressed include the nature of the law, the relationship of law to moral standards, the importance of procedures and institutions for the administration of justice, the features of the American system of justice and the functions of punishment. Also examined are puzzles and dilemmas that confront the jurist, hidden factors that influence results and shape principles in the system of justice and certain issues of social justice.

PHIL1120

3 Credits

Language and Communication

The course examines some of the philosophical issues surrounding language with an eye to helping the student communicate more clearly and effectively.

PHIL1436

3 Credits

Asian Philosophy

Dominant philosophical beliefs in Hinduism, Buddhism, Confucianism and Taoism.

PHIL1439

3 Credits

Nietzsche: Philosopher as Psychologist

Friedrich Wilhelm Nietzsche undertook a monumental critique of civilization. The course plumbs the fascinating analysis of the human mind he offers.

PHIL1440

3 Credits

Biomedical Ethics

Examination of the moral and ethical questions that advances in biology and medical technology have raised: e.g., about the beginning and ending of life, genetic engineering and stem-cell research. Required for biology majors but open to other majors.

PHIL2001

3 Credits

Truth

This course examines claims and theories about the nature of truth in Western and non-Western traditions. The inquiry encompasses a broad inclusion of texts from such philosophic schools and perspectives as Platonism, religious views, rationalism, pragmatism, intuitionism, moral non-cognitivism, current radical views about truth and contradiction and various strands of postmodernism.

PHIL2008

3 Credits

Ethical Issues in the Movies

Students will watch and discuss films with a view to becoming reacquainted, in depth, with several topics in ethical theory and with specific moral theories. The course covers such phenomena as nihilism, amorism and 20th-century reactions to mortality. Students will examine ethical theories, including subjectivism, moral egoism, moral relativism, utilitarianism, Kant's moral philosophy, social contract and nature rights, virtue ethics and feminist ethics.

PHIL2030

3 Credits

Thinking About the Mind

This course traces various views and debates about what the mind is. The class studies various schools of thought on the subject and such controversial arguments as the Chinese School Argument and the Zombie Argument.

PHIL2040

3 Credits

Knowledge, Belief and Doubt

An in-depth look at the notions of knowledge, belief and doubt. Collaterally related topics such as the problem of induction, knowledge of the external world, other minds, testimony and memory and the dilemmas that skepticism presents us with.

PHIL2102

3 Credits

Space and Time

Have you ever wondered about the meaning of the word "time"? Or about what is meant by "space"? These concepts are elusive and mysterious; some of the most famous thinkers, artists and scientists have written about the meaning of space and time. In this course students study a few fundamental theories about space and time.

Students read the work of philosophers, scientists and science fiction writers. No advanced knowledge of mathematics or physics is required.

PHIL2201

3 Credits

Ancient Philosophy

The principal philosophers and schools of philosophy from Thales to Hellenistic philosophy (Roman times). Religious and ethical background of Greek philosophy, with primary emphasis on Plato and Aristotle and some consideration of the pre-Socratic, Socratic and post-Aristotelian philosophy.

PHIL2202

3 Credits

Modern Philosophy

Philosophy from the Renaissance to the end of the 19th century, with emphasis on the influence of science and politics on philosophy. Central issues in 17th- and 18th-century philosophy. Rationalism (Descartes, Spinoza and Leibniz). Empiricism (Hobbes, Locke, Berkeley and Hume). Kant.

PHIL2203

3 Credits

Contemporary Philosophy

Movements in 20th-century philosophy such as positivism, pragmatism, phenomenology, existentialism, logical positivism, logical analysis and ordinary language analysis, Bergson, Whitehead — studied through representative works.

PHIL2205

3 Credits

Social and Political Philosophy

Scrutiny of a number of seminal texts in the western political-philosophic tradition. The nature of political authority, legitimization and justice.

PHIL2207

3 Credits

Philosophy of Religion

The nature and functions of religion, conceptions of the supernatural, proofs for the existence of God, varieties of religious experience, mysticism, immortality and evil.

PHIL2208

3 Credits

Crime and Punishment

In this course, students read *Crime and Punishment* and selected texts as they pay attention to both the fundamental themes of the work and the background issues and philosophies against which the novel's characters, action and ideas are conceived. The following is a partial list of themes which the course will address: Dostoevsky's *Critique of Modernity*, *Critique of Capitalism* and *Theories of Justice and Punishment*.

Physical Education

Maxwell Becton College of Arts and Sciences
Florham Campus

PHIL2210

3 Credits

What is Radical Politics?

Examination of the philosophical underpinnings of recurrent radical political ideologies; defining the concept of radicalism and recognizing its historical shifts; the connection between metaphysical and conceptual systems and ideological movements; comparison and contrast to moderate or non-radical ideologies; and comparison and contrast to radicalisms both of the left and the right. Philosophical texts studied include Plato, Rousseau, Marx, Nietzsche, Locke, Kant, Mill and Rawls.

PHIL2211

3 Credits

Philosophy and Film

The aesthetic dimensions of narrative cinema in the classic films of world cinema. Development of various aesthetic theories with the goal of understanding cinema as an art form. In addition, exploration of the methodologies of psychoanalysis, semiotics and certain forms of literary criticism as applied to film.

PHIL2432

3 Credits

Philosophy of Law

Overview of the central theories in philosophy of law; how these theories are applied to real-world conflicts between theory, law and government in such contemporary issues as justice and fairness, criminal culpability and punishment, the death penalty, due process, equality, privacy and the First Amendment rights of free speech and expression.

PHIL2777

3 Credits

Formal Logic

This is an advanced course in symbolic logic. The class briefly detours through propositional logic and the lower monadic calculus before it continues with relational predicate logic with identity/functions/definite descriptions. Free logic systems and alternative systems with more than the standard quantifiers will be briefly considered. The class moves on to intensional formal languages, covering both natural deduction systems for S1–S5 (and between) as well as Kripke frames and models; noting the problems surrounding completeness results. The class continues with modal predicate logic and examines systems with and without the Barcan formulas. Subjects such as actualist and possibilist quantifiers and Kripke-rigid designation will be discussed. The class ends with non-normal modal systems, a brief nod to fuzzy reasoning and a review of many-valued logics. Note: Satisfies Tier II math-science requirement.

PHIL2828

3 Credits

Immortality and Reincarnation

This course examines arguments in support of and against claims that existence can and does continue after death. Relevant texts range from ancient religions and philosophical works to contemporary evaluations of parapsychology. The class will read and discuss representative texts on both sides of the debate on the soul, immortality and reincarnation.

PHIL3005

3 Credits

War and Philosophy

Classical and contemporary philosophic texts will be used to study and discuss definitions, causes and theories of war; claims about the nature and alleged inevitability of war; views about how war is to be explained and justified; moral reasoning applied to the initiation and conduct of war; issues of moral responsibility in waging and not waging war; and the rhetorical and logical structure of arguments used by advocates and opponents of war as an institution and of specific wars.

PHIL3306

3 Credits

The Problem of Evil

One of the oldest problems to have perplexed human beings everywhere is the problem of evil: Is evil a real thing? What does it mean and how does it become possible? How is evil to be understood or explained? How can we reconcile the existence of evil and unnecessary and undeserved suffering with the notion of an all-powerful, all-knowing and benevolent God? How does the existence of evil affect the human quest for the meaning of life? In this course, students will study philosophical responses to the above and related questions offered by thinkers throughout the ages.

PHIL3308

3 Credits

Ethical Issues in the Media

This is an applied “moral reasoning” course with the media as the field from which the students will take their cases. The class will evaluate recent and current cases from journalism, broadcasting, advertisement and entertainment. Some of the issues to be discussed include: What responsibilities do media have toward the public? What kinds of moral dilemmas do news media face in reporting stories and in editorializing and how should they respond? What is the morally responsible way for drawing the line between newsworthy information and advertisement or entertainment? Should news media always defer to political and social actors’ right to privacy? How should special audiences be treated by the news media? Under what circumstances and by application of what criteria should news media censor the outflow of information?

PHIL4401

3 Credits

Philosophy Seminar

Intensive study and discussion of selected topics in philosophy which results in the composition and defense of the senior thesis (in consultation with, and upon approval by, faculty member).

PHIL4498

3 Credits

Internship

Course integrates classroom study with specific planned periods of supervised learning in relevant employment experiences. Combines learning on the job, University course work and career-development skills.

PHIL4800

1–3 Credits Each Semester

Independent Study in Philosophy

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

PHIL4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

Physical Education

Associate Dean's Office

PHED1101

1 Credit

Racquetball

Rules and stroke development including serves, kills and defensive strategy — plenty of play — singles, cutthroat and doubles.

PHED1102

1 Credit

Badminton

Basic strokes, game rules and strategy. Students are expected to display a reasonable level of proficiency by the end of the course.

PHED1113

1 Credit

Golf

Development of a basic consistent swing, emphasizing ball control, is the overall objective. Familiarity with all clubs, rules of the game, as well as the necessary etiquette, also are covered. Equipment, if needed, will be provided by the University.

Physical Education

Maxwell Becton College of Arts and Sciences
Florham Campus

PHED1121

1 Credit

Volleyball

Basic skills of forearm pass, overhead pass, serve, spike, block, along with offensive and defensive strategy.

PHED1126

1 Credit

Jogging for Fitness

Begins with stretching exercises and then builds up from one-fourth to approximately seven miles. Individual goals are set for each student. Nutrition and diet studies are included.

PHED1133

1 Credit

Physical Fitness

Geared to the needs of the individual. Includes basic conditioning, isotonic, isometrics and those exercises that aid in developing and maintaining muscle vitality and strength.

PHED1137

1 Credit

Weight Training

Development of knowledge and skills required for a personalized weight-training program emphasizing the use of the Cybex weight machines and free weights.

PHED1139

1 Credit

Cross Training

Use of varied physical activities such as swimming, running and weight training to develop knowledge and skills for lifetime fitness programs.

PHED1144

1 Credit

Aerobics

Specific movements designed to improve cardiovascular endurance and general conditioning of the body through enjoyable activities.

PHED1145

1 Credit

Swimming

Five basic strokes are covered: freestyle, backstroke, elementary backstroke, sidestroke and breaststroke. Emphasis is placed on a basic program for lifetime fitness and enjoyment. The beginning swimmer is taught privately.

PHED1147

1 Credit

Lap Swimming

Development of a safe and effective workout plan useful to an individual's fitness goal. Training concepts such as distance, repetition, interval and Fartek will be explored as well as various aquatic training equipment.

PHED1149

1 Credit

Tennis

Fundamental skills of the forehand, backhand and serve. Scoring and court etiquette also are covered. Students are expected to demonstrate an understanding of the above strokes, as well as the game situations to which each applies.

PHED1150

1 Credit

Advanced Tennis

Review of the basic skills. Introduction of both singles and doubles strategy using the lob, volley and overhead. Students taking this course should be reasonably proficient in the basic skills and game knowledge.

PHED1152

1 Credit

Water Aerobics

Specific movements in the water using resistance equipment to improve cardiovascular endurance and general conditioning of the body.

PHED1157

1 Credit

Yoga – Level 1

Astanga Yoga as a means of achieving a healthy body and inner tranquility. The understanding and practice of relaxation, controlled breathing techniques and yoga postures.
Fall, Spring

PHED1158

1 Credit

Yoga – Level 2

The course builds on learning from PHED1157 Yoga – Level 1. Sun salutations, pose sequences, balance poses, backbends and inversions will be part of each class.

PHED1159

1 Credit

Advanced Yoga – Level 4

Advanced poses and breathing techniques.

PHED1160

1 Credit

Yogalates

This course contains a blend of yoga and Pilates moves. It ranges in ability from the introductory level to the ultimate core and stretching workout.

PHED1161

1 Credit

Walking/Jogging

This class will focus on the proper techniques for walking, fast walking and jogging. Individual workouts will be designed and practiced during class time both on the gym track and outdoors.

PHED1162

1 Credit

Yoga – Level 3

Advanced poses and sequences will be added to movements in PHED1157 Yoga – Level 1 and PHED1158 Yoga – Level 2. The class will increase overall fitness through Vinyasa exercises and core strengthening. Breathing techniques and relaxation exercises will complete each class.

PHED1196

1 Credit

Linedance

Previous dance experience is not required. This class will provide the student with a foundation in choreographed dancing. The student will learn dances choreographed for waltz, Latin, hip-hop and East and West Coast swing. All genre of music will be used: Latin, pop, hip-hop, country, as well as student favorites.

PHED1198

1 Credit

Zumba

A Latin dance-fitness program based on interval training.

PHED1436

3 Credits

CPR and Emergency Care

This course teaches the student the knowledge and practical skills needed to respond to various emergency situations: burns, wounds, respiratory and cardiac problems, broken bones, poisoning, etc. Certification upon successful completion of course.
Summer

PHED1862

1 Credit

Body/Mind Fusion

Movement of the body to reduce the stress of the mind. Using methods to recognize the signs of stress and learning the proper models of exercising to relieve various forms of stress.

PHED4457

1 Credit

Boxercise

Intense cardiovascular workout using a boxer's training techniques to improve strength, agility and cardio-endurance.

PHED4460

3 Credits

National Coaching Certification

Development of an athlete-centered coaching style using the basics of sport philosophy, psychology, physiology and pedagogy. Sport and risk management and first aid also is included.

Physics

Maxwell Becton College of Arts and Sciences
Florham Campus

PHED4462

3 Credits

The Olympics: Yesterday to Today

This course will examine the cultural, historical, economical, political, philosophical and social aspects of the Olympic movement.

PHED4463

1 Credit

Tai Chi

Ancient system of meditation and physical exercise following a natural pattern of gradual movements and body rotation to develop flexibility, stamina, energy, powers of concentration, serenity, etc.

PHED4465

1 Credit

Pilates Matte Class

Focuses on Pilates floor exercises that will improve core (abdominal and back) stability, flexibility and strength. Students will work to increase coordination, breath capacity and moving from their center.

Physics

*Department of Mathematics,
Computer Science and Physics*

PHYS1001, PHYS1011, PHYS1021

PHYS1002, PHYS1012, PHYS1022

8 Credits (4 Credits Each Semester)

Lecture 3 hours; Laboratory 3 hours;

Recitation 1 hour

General Physics I, II

This course is for students in the biological sciences and premedical curricula and for nonscience majors desiring two semesters of physics. Contemporary topics such as relativity, nuclear, atomic and molecular structure follow classical topics such as mechanics, waves, heat, electricity, magnetism and light. The treatment is generally quantitative but without calculus. Prerequisite: intermediate algebra.

Fall, Spring

Fee

PHYS1005, PHYS1015

3 Credits

Lecture 2 hours; Laboratory 2 hours

Physics in the Modern World: How Things Work

A study of the principles of physics through an examination of various modern technical devices such as televisions, refrigerators, motors, etc.

Fall, Spring

Fee

PHYS1005

3 Credits

Lecture 2 hours; Laboratory 2 hours

Basic Electronics

An introduction to electricity, basic electronics, electronic devices and their applications. The course will provide a level of essential knowledge and practical experience, through laboratory

work, for the students to better understand and utilize the electronic tools of their disciplines and electronic products encountered in their general life environment.

Spring

PHYS1006

4 Credits

Basic Electronics with Applications

An introduction to electricity, basic electronics, electronic devices and their applications, stressing traditional and modern devices such as computers, mobile communications and home theater. The course will provide a level of essential knowledge and practical experience through theory and laboratory work. Students will then better understand and utilize the electronic tools of their disciplines as well as electronic products encountered in their general life environment. Corequisite: PHYS1015 Lab: Basic Electronics with Applications.

PHYS1007

2 Credits

Physics of Medical Science

This course shows how the basic laws of physics are applied to medicine. Topics will include conservation laws, biomechanics, pressure and hydrostatics, sound and hearing, heat and thermodynamics, optics and vision, applications of electrostatics to medicine, current electricity and magnetism, electric and electronic circuits and application to medical instrumentation, atomic and nuclear physics and their application in medicine and radiology.

PHYS1010

4 Credits

Physics of Sustainable Energy

Sustainable energy is one of the great challenges of this generation and will require important decisions by society. In this course, students will learn about the basic physics, such as mechanics, electricity and magnetism, thermodynamics, semiconductor physics and nuclear physics, which underlies sustainable-energy generation and consumption. These topics will be explored as appropriate in the context of electricity generation via wind, solar, hydro and nuclear energy. Corequisite: PHYS1020 Physics of Sustainable Energy Lab.

PHYS1015

0 Credits

Lab: Basic Electronics with Applications

Through hands-on experience, students learn the basic skills of electronics such as soldering, reading schematic diagrams and the use of electronic measuring instruments including digital voltmeters, oscilloscopes, power supplies and signal generators. Students build basic electronic circuits using transistors, resistors, capacitors, diodes, LEDs, integrated circuits and other components and make measurements to confirm

their functions as explained in the lecture section of the course. Other experiments include basic optics, light and color, house and appliance wiring, computer maintenance and upgrading. Electronic devices such as CD and DVD drives, digital cameras, monitors, cell phones, iPods and computers are disassembled and examined to identify the mechanical and electronic components and understand how those devices perform their functions. Corequisite: PHYS1006 Basic Electronics with Applications.

PHYS1020

0 Credits

Physics of Sustainable Energy Lab

Lab associated with PHYS1010 Physics of Sustainable Energy. In this course, students will learn about the basic physics, such as mechanics, electricity and magnetism, thermodynamics, semiconductor physics and nuclear physics, which underlies sustainable-energy generation and consumption. These topics will be explored as appropriate in the context of electricity generation via wind, solar, hydro and nuclear energy. Corequisite: PHYS1010 Physics of Sustainable Energy.

PHYS1125, PHYS1025;

PHYS1124, PHYS1024

8 Credits (4 Credits Each Semester)

Lecture 3 hours; Laboratory 2 hours

Physical Science I, II

Elements of five physical sciences are covered in a descriptive way. Physics: motion, force, gravitation, energy, waves, heat, electricity, light, atoms and nuclear energy. Chemistry: the elements, the periodic table, chemical reactions, inorganic and organic compounds. Geology: the earth's crust, interior and evolution. Meteorology: the atmosphere, climate. Astronomy: the solar system, stars, galaxies and the universe.

Prerequisite: one year of high school algebra.

Fee

PHYS1125, PHYS1025

3 Credits

Lecture 2 hours; Laboratory 2 hours

Astronomy

The composition of matter; the principles of motion, including orbital motion; the nature of light; the principles of optics; and the operation of telescopes and auxiliary instruments. Topics in astronomy include stellar astronomy, celestial coordinates, the solar system and its evolution, types of stars, galaxies and the universe. Prerequisites: elementary algebra and geometry.

Fall, Spring

Fee

PHYS1126, PHYS1026

3 Credits

Lecture 2 hours; Laboratory 2 hours

Earth Physics

A laboratory science elective intended for liberal arts students, life science and non-science majors. Can be taken before or after PHYS1125,

Physics

Maxwell Becton College of Arts and Sciences
Florham Campus

PHYS1025 Astronomy. A topical treatment, not highly mathematical. The origin of the earth as a member of the solar system, composition and internal structure of the earth, geophysics, the hydrosphere, the atmosphere, physical oceanography and the related question of natural and artificial pollutants.

PHYS1201, PHYS1202

3 Credits

Lecture 2 hours; Laboratory 2 hours

Physics for the Global Citizen

This course provides a basic understanding of physics knowledge and concepts within the context of everyday life and global issues. Topics addressed will include motion, mechanics, thermodynamics, electricity, nuclear energy and modern electronics. There will be an emphasis on sustainable energy, alternate power sources, the environment and other issues relevant to everyday life. Students will develop a basic understanding of physics concepts and being to understand the practical applications of physics.

Fee

PHYS2003, PHYS2013, PHYS2023;

PHYS2004, PHYS2014, PHYS2024

8 Credits (4 Credits Each Semester)

Lecture 3 hours; Laboratory 3 hours;

Recitation 1 hour

General Physics with Calculus I, II

A calculus-based course for students majoring in physics and other sciences. The first semester covers mechanics, heat and sound; the second semester covers electricity, magnetism, light and atomic physics. Prerequisites: for PHYS2003, PHYS2013, MATH1203 Calculus I; for PHYS2004, PHYS2014, PHYS2003, PHYS2013 General Physics with Calculus I and MATH2202 Calculus II.

Fall, Spring

Fee

PHYS2250

4 Credits

Electronics I

The first half of a two-semester course on the fundamentals of electronic circuit theory and practice. The course will concentrate on analog components and devices, DC and AC circuits, diodes, transistors, operational amplifiers and oscillators. Prerequisite: PHYS2004, PHYS2014 General Physics with Calculus II.

PHYS2800

1–6 Credits

Sophomore Independent Study

Independent study in physics and photonics at the sophomore level.

PHYS3206

4 Credits

Modern Physics

A third semester of a calculus-based physics sequence for science and engineering majors. Topics normally include special relativity, end of

classical physics, photons and quantization, wave functions and uncertainty, one-dimensional quantum mechanics, atomic physics, nuclear physics and elementary particles. PHYS2004, PHYS2014 General Physics with Calculus II. Corequisite: PHYS3216 Lab: Modern Physics.

PHYS3210

3 Credits

Advanced Mechanics

A study of Newton's laws applied to the motion of particles and systems of particles. Topics will include forced and damped harmonies, oscillators, central-field motion, collisions, conservation laws, Lagrangian mechanics, Hamilton's equations and rigid body dynamics.

PHYS3216

0 Credits

Lab: Modern Physics

Experimental physics at an advanced undergraduate level. Includes working in an increasingly independent format on a series of selected projects from a variety of physics areas such as geometrical optics, interference and diffraction, spectroscopy, lasers, fiber optics and quantum phenomena. Specific attention is paid to experimental design, laboratory techniques, computer data acquisition and analysis and error propagation and analysis. Corequisite: PHYS3206 Modern Physics.

PHYS3220

3 Credits

Mathematical Methods – Physics

An introduction to methods used in solving problems in physics and other sciences, including calculus of variations and extremum principles, orthogonal functions and Sturm-Liouville problems, Fourier series, series solutions of differential equations, partial differential equations of physics, Green's function methods of solution, nonlinear equations and chaos theory.

PHYS3240

4 Credits

Optics

This course will introduce the student to the most significant light phenomena and the basic physical concepts that underlie their interpretation. Topics covered will include paraxial optics, the wave equation and properties of wave motion, electromagnetic waves, dispersion, absorption, coherences, interference, diffraction, geometrical optics, optical systems and lasers.

PHYS3241

0 Credits

Advanced Experimental Methods in Optics/Photonics

This course focuses on advanced laboratory experiments in optics and photonics. It will cover the mechanism of geometrical optics and imaging, the characteristics of the Fourier transform of an optical system, the concept of the frequen-

cy spectrum of optical information processing, the physical effect of frequency filtering, the principle of color imaging and the realization of the computer-aided color decoding of an optical image.

PHYS3250

3 Credits

Thermodynamics

This course is an introduction to classical thermodynamics and statistical mechanics. Some of the basic concepts such as temperature, heat, internal energy, entropy and multiplicity will be introduced. Also covered will be heat engines, phase transformations, the partition function and statistical thermodynamics, including Maxwell-Boltzmann, Bose-Einstein and Fermi-Dirac statistics, and their applications to an ideal diatomic gas, electrons in metals and monatomic crystals.

PHYS3277

3 Credits

Solid State Physics

Fundamental properties of matter in the solid state from quantum mechanical foundations. Crystal structure, lattice vibrations and phonons, lattice imperfections, free electron and band theories of metals and semiconductors, the Fermi surface; electrical, magnetic and thermal properties of matter.

PHYS3530

3 Credits

Electricity and Magnetism I

The first half of a two-semester course in the study of advanced concepts in electricity and magnetism with the use of calculus and vector calculus. Areas covered will include electrostatics, Gauss' Law, charges in motion, magnetic fields in vacuum and matter, magnetostatics, electromagnetic induction and Maxwell's equations.

PHYS3800

1–6 Credits

Junior Independent Study

Independent study of physics and photonics at the junior level.

PHYS4250

3 Credits

Quantum Mechanics I

A study of the concepts, postulates and applications of quantum mechanics (QM). Areas covered will include the Schrödinger equation (SE); the use of operators; application of SE to simple quantum systems; QM postulates; variational and perturbation methods; spin and angular momentum; and topics on atomic, molecular and nuclear structure, bonding, intermolecular forces and reaction mechanisms. Prerequisites: MATH3318 Differential Equations and PHYS3206 Modern Physics.

Psychology

Maxwell Becton College of Arts and Sciences
Florham Campus

PHYS4401

2 Credits

Physics Seminar

A junior-senior seminar meeting weekly to discuss current and/or historical topics in physics. Oral presentations by students on selected readings from such areas as experimental or theoretical research, government-science policy, pseudoscience and physics education. Prerequisites: PHYS2003, PHYS2004 General Physics with Calculus I, II and PHYS3206 Modern Physics.

PHYS4430

1–3 Credits

Selected Studies in Physics

Studies in special areas of current interest to physics.

PHYS4800

1–6 Credits

Senior Independent Study – Physics

Independent study in physics and photonics at the senior level.

Psychology

Department of Psychology and Counseling

PSYC1201

3 Credits

General Psychology

An introduction to the field of psychology and its methods of research. Topics included are the brain and its relation to behavior and mental processes, sensation and perception, states of consciousness, learning, memory, intelligence, human development, personality, stress and coping, mental disorders and their treatment and the influence of people on each other.

Fall, Spring

PSYC2210

4 Credits

Psychological Statistics

An introduction to the basic descriptive and inferential statistical procedures that are useful to the psychologist in the design and analysis of research methods. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC2211

4 Credits

Research Methods

An introduction to the methods of scientific experimentation in psychology by means of laboratory experiments, studies of problems in design and control of experiments and analysis of the experimental literature. Prerequisite: PSYC2210 Psychological Statistics.

Fall, Spring

PSYC2235

1–3 Credits

Positive Psychology

Positive psychology is the study of how human beings prosper; a study of human strengths, optimism, happiness, hope and resiliency. This course is largely experiential, including many in-class activities and many assignments between classes to apply classroom principles to the real-life setting. The course invites students to identify core human-character strengths and virtues and to use these strengths to promote and maintain well-being and happiness.

PSYC3001

3 Credits

Human Development (Child)

A study of the growth and development of children with respect to sensorimotor, intellectual and social behavior; scientific findings and theoretical viewpoints with respect to their implications concerning the child for the family, school and community. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC3004

3 Credits

Psychology of Aging

An exploration of the changing views of aging from social, developmental, personality, cognitive and psychotherapeutic perspectives. Prerequisite: PSYC1201 General Psychology.

Fall

PSYC3005

3 Credits

Abnormal Psychology

An introduction of basic concepts and theories of abnormal psychology exploring both historical and current perspectives with an inclusion of multicultural considerations. A discovery of the process and importance of clinical assessment, study of clinical and personality disorders and association to cause and treatment. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC3008

3 Credits

Rehabilitation Psychology

The study of the psychological effects of trauma and disability on individuals. Diagnosis, treatment and intervention strategies will be explored. Prerequisite: PSYC1201 General Psychology.

Fall

PSYC3011

3 Credits

Group Dynamics

A study of the dynamics of how people behave in groups and the relevant factors affecting this behavior. Topics included are: communication and process variables, structural factors, reasons for membership, leadership in groups, problem-

solving methods and factors, environmental factors and specialized groups (e.g., therapy groups, focus groups). Prerequisite: PSYC1201 General Psychology.

Spring

PSYC3012

3 Credits

Crisis Intervention

The focus is on the theoretical and practical responses to traumatic events (e.g., crime, domestic violence, natural disasters, medical conditions, substance abuse, suicide and suicide attempts). It addresses the strategies utilized by treatment providers and “first responders” (police and firemen).

PSYC3013

3 Credits

The Psychology of Developmental Trauma

Childhood trauma leaves irreparable damage in its wake. This course will examine the nature and extent of developmental interpersonal trauma, causes, effects and prevention, intervention and treatment. With the proposed diagnostic changes in the diagnostic and statistical manual (DSM-V), this course will be interesting for anyone considering clinical work in psychology or counseling.

PSYC3014

3 Credits

Psychology in Film

The course is designed to help students explore the range of healthy and unhealthy functioning based on current theories and research and as depicted in the cinema. Students will critically evaluate the accuracy and inaccuracy of the human condition in movies as well as develop diagnostic abilities via observation of movie characters.

PSYC3015

3 Credits

Theories of Personality

This course is designed to help students understand the broad approach to personality theory. Emphasis will be placed on different theoretical viewpoints, personality research and the practical application of personality theories. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC3030

3 Credits

Advanced Experimental Psychology

A further inquiry into the nature of scientific research in psychology. More complex experimental procedures and statistical analyses are introduced. An independent project will be required. Prerequisite: PSYC2211 Research Methods.

Fee

Psychology

Maxwell Becton College of Arts and Sciences
Florham Campus

PSYC3031

3 Credits

Advanced Sensory Processes

The course explores the underlying psychobiological and sensory processes. This class uniquely highlights the psychology of elegant dining by presenting principles that make learning and eating ultimately memorable and rewarding. The core of the class material is a presentation of how one's senses work, neuroscience explanations of feeding and drinking underlying health and pathology as well as an exploration of world cuisines. The laboratory portion of the class features four evenings of sampling global cuisine items.

Fee

PSYC3032

3 Credits

Physiological Psychology

The study of the relationship between aspects of behavior and physiology. Topics include basic neuroanatomy, neurophysiology and the effects of drugs upon behavior. Prerequisite: PSYC1201 General Psychology.

PSYC3080

1-3 Credits

Contemporary Issues (Leadership)

This course will provide exposure to various issues of major concern in psychology today. Specific subjects and number of credits offered will be announced in the semester's course-offering list. Prerequisite: PSYC1201 General Psychology.

PSYC3302

3 Credits

Human Development (Adolescent)

A study of the growth and development of adolescents and adults with respect to social, emotional, intellectual and physical behavior; developmental characteristics, goals and personal and interpersonal factors of psychological self-support with respect to their implications concerning education and/or guidance. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC3310

3 Credits

Social Psychology

A study of the individual's behavior and experiences under the influence of social processes and institutions; socialization, role perception and role behavior; social norms and conformity; interpersonal attraction, social power, leadership. Prerequisite: PSYC1201 General Psychology.

Fall or Spring

PSYC3313

3 Credits

The Dark Side of Behavior at Work

An exploration of the various forms of counter-productive workplace behaviors including sexu-

al harassment, violence, bullying, theft, sabotage and work withdrawal. Emphasis will be on understanding not only the form of the behavior but also the factors that lead to such behavior (e.g., personality, organizational culture, organizational structures) as well as the impact on the organization and co-workers. Prerequisite: PSYC1201 General Psychology.

PSYC3314

3 Credits

Group Development

The place of the small group in a democratic society, the roles played by the various members of the group and the interactions taking place are given particular attention. An attempt is made to bring out the various aspects of the group by relating them to the actual experiences of the members as they attempt to apply group discussion to the solving of selected problems. Students will be given an opportunity to use the third hour of class to practice group-development techniques and skills.

PSYC3316

3 Credits

Mass Communications

Study of social-psychological impact of the media upon the quality of life of the individual, the community and the world. Topics include negative impact of the media, violence and advertising and positive-impact public service and education; potential for development of media in more prosocial directions for the benefit of society. Prerequisite: PSYC1201 General Psychology.

PSYC3317

3 Credits

Psychology and the Law

Application of psychological principles to legal problems. Analysis and implications of court decisions. Current controversies: insanity defense, jury selection, persuasive techniques, sentencing, competency, use of hypnosis, capital punishment, psychological testing. Conducting forensic interviews will be incorporated.

PSYC3318

3 Credits

Psychology of Everyday Persuasion*

The 21st century is characterized by "information overload." Individuals in Western democracies are subject to influence and manipulation of representations in all their forms. Democracy, built upon persuasion, has become viewed with cynicism. This course investigates the historical development of the techniques used by public and commercial organizations. Issues such as advertising, public relations will be among the topics studied. Students will be assisted to develop techniques for detecting and resisting propaganda while on the course.

**Offered at Wroxton College.*

PSYC3320

3 Credits

Managerial Psychology

A study of psychological factors affecting human behavior in an organizational context. Topics examined include communication, perception, group dynamics, individual differences, power and influence in organizations, organizational culture and conflict in organization. Prerequisite: PSYC1201 General Psychology.

Spring

PSYC3321

3 Credits

The Interview

A study of interviewing principles and techniques, with emphasis on the problem-solving interview, the selection interview and the information-gathering interview. Recommended for students interested in working in the education, business, psychology and clinical areas. Prerequisite: PSYC1201 General Psychology.

PSYC3322

3 Credits

Industrial Psychology

This course provides an overview of the field of industrial psychology (i.e., the scientific study of the workplace) and its applications. Rigor and methods of psychology are applied to such topics as job analysis, personnel selection, job performance and workplace behavior. Students will adopt the scientist-practitioner model, studying psychological research and theory as a science while learning how derived psychological principles are applied in work settings. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC3327

3 Credits

Career Exploration

This course will expose students to possible career opportunities that incorporate their academics, skills, interests, values and personality. Discussion will be on career-development theories and how they apply to job satisfaction. Assessment tools that incorporate personality, values, needs and interests into career satisfaction will be administered and evaluated. Students will be familiarized with all tools available for career development and exposed to the challenges of choosing a career using objective measures.

PSYC3331

3 Credits

Theories of Learning

Basic theories and principles of learning such as conditioning, retention, transfer and problem solving will be studied. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

Psychology

Maxwell Becton College of Arts and Sciences
Florham Campus

PSYC3333

3 Credits

Sensation and Perception

A study of the theories and issues in the areas of sensation and perception, with emphasis on factors affecting stimulus selection and organization. The processes of detection, discrimination and recognition and major areas of research such as the effects of learning and motivation on perception, and the perception of time, space and motion will be considered. Prerequisite: PSYC1201 General Psychology.

PSYC3334

3 Credits

Psychopharmacology

Study in the relationship between drugs and behavior, especially maladaptive behavior and research in human biochemical changes. Prerequisite: PSYC1201 General Psychology.

PSYC3335

3 Credits

Cognitive Psychology

Examination of experimental study of topics of attention, memory, imagery and thought as it relates to language, cognitive development and the development of conscious awareness. Prerequisite: PSYC1201 General Psychology.

PSYC3340

3 Credits

Psychometrics

This course presents the general theory and practice of psychological testing and considers basic concepts. A survey of representative tests of personality, aptitude, interests and intelligence will be presented. Prerequisite: PSYC1201 General Psychology.

PSYC3345

3 Credits

Educational Psychology

A survey of current psychological theories and practices, with special emphasis on their educational applications and implications. Topics include personality development, learning, motivation, perception, measurement and evaluation, teacher-pupil relations, the psychology of the teacher and of the psychologist. Prerequisite: PSYC1201 General Psychology.

PSYC3359

3 Credits

Sport Psychology

Learning, motivation and social interaction of sport. Performance enhancement through mental training with the diagnosis and treatment of performance burnout. Prerequisite: PSYC1201 General Psychology.

PSYC3360

3 Credits

Forensic Psychology

A study of the basic legal principles will be examined within the context of their relationship

to psychology. The following subfields will be covered: criminal profiling; violence of a personal, sexual and domestic nature; jury selection; and psychological autopsies.

Fall, Spring

PSYC3361

3 Credits

Cross-cultural Psychology

This course will examine the theoretical, empirical and applied issues in the cross-cultural study of human social behavior. It also will examine aspects of behavior that are universal and others that are culture specific. The class will explore how and why behavior differs across cultures and the impact of these cultural differences on psychological theory and application. Through discussions, readings, experiential learning activities and a short-term, study-abroad component (in Wroxton College, England), students will be able to develop a broader, global perception of contemporary psychology. The course will assist in developing critical thinking tools with which to analyze and to evaluate psychology from various ethnic, national and religious groups.

PSYC3510

3 Credits

Death and Dying

A cross-cultural overview of death, dying and bereavement. Topics will include different cultural practices as they apply to individuals and communities. Suicide, assisted suicide, hospice care worldwide, caregivers for Alzheimer's disease and dementia will be discussed. Prerequisite: PSYC1201 General Psychology.

PSYC4130

4 Credits

Behavioral Neuroscience Methods

This blended seminar focuses on cutting-edge developments in understanding brain functions. By definition, neuroscience is interdisciplinary and international in its scope. Topics include the biological basis of pain, intelligence, drug action, addiction, mental illnesses and genetic influences on behavior. Prerequisites: PSYC1201 General Psychology, PSYC2210 Psychological Statistics and PSYC2211 Research Methods.

PSYC4290

3 Credits

Psychology Seminar

Special studies and reports dealing with persistent problems in psychology. Prerequisite: seventh- or eighth-semester standing.
Spring

PSYC4291

3 Credits

History and Systems of Psychology

This course provides an overview of the history of psychology, its antecedents and philosophies, the basic premises of the major schools and sys-

tems and the contributions of the theorists. It will address important issues such as the nature-nurture controversy and the practical applications of the various theoretical orientations.

Prerequisites: PSYC1201 General Psychology, PSYC2210 Psychological Statistics and PSYC2211 Research Methods.

Spring, Fall

PSYC4293

3 Credits

Introduction to Art Therapy

This course will study the history and development of art therapy, the relationship between psychotherapy and art, the use of art as a diagnostic tool and art-therapy methodologies. This course will help students achieve a greater awareness of their own creative strengths and how to utilize them in a therapeutic setting. (Equivalent to ART4293 Introduction to Art Therapy.)

PSYC4430

1-3 Credits Each Semester

Selected Studies in Psychology

Studies in an area of psychology.

Fall, Spring

PSYC4447

3 Credits

Medical Psychology

The course provides an intensive understanding of brain function and dysfunction. Emphasis will be on the need for proper diagnosis and appropriate therapeutic strategies. Prerequisite: PSYC1201 General Psychology.

Fall, Spring

PSYC4477

1-3 Credits Each Semester

Honors Research and Thesis (Psychology)

Fall, Spring

PSYC4498

3 Credits

Internship in Psychology

The integration of academic study with specific planned periods of supervised learning in relevant employment experiences. An internship combines learning on the job, University course work and career-development skills. Grade point ratio (GPR) of 3.00 required and junior or senior status. Prerequisites: PSYC1201 General Psychology, PSYC2210 Psychological Statistics and PSYC2211 Research Methods.

Fall, Spring

PSYC4800

1-3 Credits Each Semester

Independent Study in Psychology

Studies in an area of psychology under the direction of a specific faculty member after consultation with the department chairperson.

Fall, Spring

Sign Language • Sociology

Maxwell Becton College of Arts and Sciences
Florham Campus

PSYC4900

3–6 Credits

Faculty/Student Research

Members of faculty engage in research projects with selected students with the goal of professional publication or presentation.

Graduate Courses

Graduate courses may be taken by seventh- or eighth-semester students who receive the approval of the department chairperson. Interested students should see the *Graduate Studies Bulletin* for list of courses and descriptions.

Sign Language

*Department of Literature,
Language, Writing and Philosophy*

LANG1001

3 Credits

American Sign Language I

The course is designed to introduce the student to American Sign Language, the visual-gestural language of deaf persons, and deaf culture. The course will develop receptive and expressive communications skills with incorporation of visual-gestural techniques, basic rules of grammar, syntax and some cultural features of the deaf community. Note: American Sign Language does not fulfill modern language requirement.

LANG1002

3 Credits

American Sign Language II

This course continues development of American Sign Language and its application within the deaf community. Taught without voice, it stresses development of conversational skills with emphasis on expanding vocabulary and expressive skills within four basic categories: cultural awareness, grammatical features, vocabulary development and conversational skills. Prerequisite: LANG1001 American Sign Language I. Note: American Sign Language does not fulfill modern language requirement.

Sociology

*Department of Social Sciences
and History*

SOCI1201

3 Credits

Introduction to Sociology

An introduction to sociology that explores society and culture, groups and organizations, socialization, deviance, social stratification, race and ethnicity, the family and education. (Equivalent to CMLGY1201 Introduction to Sociology.)

SOCI2203

3 Credits

Methods in Social Research

An introduction to the methods of social research: research design, development of testing instruments and sample collection and analysis of data and preparation of reports. Prerequisite: MATH1126 Contemporary Mathematics or MATH1128 Mathematical Methods.

SOCI2204

3 Credits

Qualitative Research Methods

Provides students with practical research skills which will enhance their competitiveness in the job market. The course helps students design qualitative research projects using a variety of techniques such as interviews, ethnography, focus groups and content analysis. In class, students will develop research goals, observe data collection and practice conducting interviews and focus groups.

SOCI2248

3 Credits

Globalization, Culture and Identity

An exploration of the phenomenon of globalization, including its effects on understanding contemporary ethnic, national and cultural identities. The course also examines the impact of technological developments in communication and transportation on our "global village" culture.

SOCI2306

3 Credits

Crime and Criminology

This course provides an understanding of crime and criminal justice. Students will examine theories of crime, individual and group criminal behavior and aspects of criminal justice systems from American and global perspectives. (Equivalent to CMLGY1306 Introduction to Crime and Criminology.)

SOCI2307

3 Credits

Social Deviance

What is considered deviant behavior and how do certain behaviors become deviant in the eyes of society? This class will examine the social construction of deviance and the different theoretical perspectives that explain deviance. Certain forms of deviance will be examined critically, including drug use, sexual deviance and suicide. (Equivalent to CMLGY2307 Deviance and Social Control.)

SOCI2308

3 Credits

Gender and Deviance

Exploration of gendered notions of deviance; relationships and absence of relationships between deviant social behavior — such as crime, social control and punishment — and masculinity and femininity. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI2310

3 Credits

Social Problems

Examines the historical and sociological roots of critical social problems such as poverty, racism, sexism, crime, etc.

SOCI2314

3 Credits

Sex, Knowledge and Power

Sociological exploration of interplay of sex, sexuality, forms and sources of knowledge and power/power relations.

SOCI2316

3 Credits

Sociology of the Family

A study of the American family using comparative materials from other societies. Included are ethnic and class differences in family life and recent developments in family theory and related research.

SOCI2317

3 Credits

Children and Society

Examines the social and historical construction of childhood, as well as related social issues concerning children in the U.S. and other countries.

SOCI2319

3 Credits

Nationalism and Ethnicity

The course will explore the various meanings of nationalism and ethnicity, historically and in more recent context, and provide examples of where these phenomena have been particularly evident. Special emphasis will be put on the power of modern nationalism as has become all too apparent in various regions of the world including the former Yugoslavia, the Middle East and parts of the Third World. Also, the course discusses nationalism as a political force which has often combined with ethnicity to create conflicts that have had frightful consequences.

SOCI2750

3 Credits

Men and Masculinities

Being a man is not simply the result of a biological combination of chromosomes, hormones and sex organs. It is also the result of specific cultural understandings of what it means to be a man in different societies. These cultural understandings are never fixed and change in space and time creating different configurations of masculinity. The goal of this course is to engage with these transformations in order to better understand what it means to be a man in contemporary society. The class will do so by closely analyzing the meaning of masculinity in today's world here in the United States but also in other parts of the world, by exploring how these ideas have changed over time, and finally, by investigating the role played by different social forces, such as race, ethnicity, class, nationality and sex-

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uality, in creating, not one, but multiple forms of *masculinity*. In addition, the class will conduct an intersectional exploration into how masculinity is embodied and lived out in American cultures, sports and media.

SOCI2805

3 Credits

Contemporary Social Issues

A survey and analysis of major current issues in American and international societies and cultures, including such topics as poverty, social justice, culture change and the global economy. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI2900

3 Credits

Artificial Intelligence, Technology and Social Change

Recent developments in technology have created a paradigm shift in societal culture, in the United States and across the globe. This course discusses the impact of human innovation on various forms of behaviors, from modes of consumption through fast-food hubs, to drive-through clinics, banking, online shopping, politics and marriage, to distant learning and interpersonal communication. It also discusses the meaning and impact of technology on traditional social institutions and demonstrates how the recent technologies have blurred the distinction between public and private, rendering individual privacy obsolete. The theoretical goals of this course include raising student awareness of how technology has changed our sense of space, time and social (local and international) relations. In addition, the course aims to help students critically approach the use of technology. Students will be introduced to concepts and theories of social change and to theories on the impact of technology on many social spheres of life across several cultures, e.g. developed and developing countries.

SOCI2901

3 Credits

World on the Move: Contemporary Migration

Over the last four decades, migratory flows both at the global and regional level have changed the face of the societies people live in. This is true for the United States but also for many other countries of the Global North. In this class, students will analyze the reasons behind international migrations and the role that different social actors play in creating, shaping and defining contemporary migration flows. They will also question: Why do people migrate across international borders? Can states control migration, including “unwanted” migrants? And how do people understand the politics of immigration? The analysis of these questions will also help students examine often taken-for-granted

conceptions of nationhood, citizenship and nation-state. The course is anchored in the U.S. case but because people live in a world that is increasingly more integrated, the class will also explore migratory flows and policies in other countries and regions of the world.

SOCI2950

3 Credits

Identity Puzzle

“Who am I?” The answer to this question is not simple. Some aspects of one’s identity, such as one’s name, are most often given at birth; others such as occupation, gender, social status, political affiliation, etc., come later. In simple words, identity is the product of multiple forces. It is the product of social and individual claims. Importantly, there is no match between how people perceive themselves and how others perceive them. From a historical perspective, some aspects of identity, such as race, gender, religion, have been more significant than others vis-a-vis access to economic, social and political resources in a given society. These are some of the subjects this course focuses on. With the use of a variety of materials, such as novels, movies, journal articles, case studies, students will learn about various experiences of individual as well as collective identity in the United States and internationally.

SOCI3001

3 Credits

Minorities in the Middle East

The course provides a comprehensive overview of the various minority groups throughout the Middle East. It discusses the political, social, economic and cultural life of those groups and their relations to majority groups within those countries. Some of the case studies included in this course are Egypt, Israel, Turkey, Iraq and Sudan.

SOCI3021

3 Credits

Classical Social Theory

A critical study of the classical theories of society as exemplified in the work of sociologists such as Marx, Durkheim, Weber and Simmel. The course examines the historical development of sociology as a specific field of inquiry. Prerequisite: SOCI1201 Introduction to Sociology or permission of the instructor.

SOCI3022

3 Credits

Contemporary Social Theory

An examination of a variety of modern and contemporary social theories including structural-functionalism, exchange, symbolic interactionism and its variants, conflict theory, neo-Marxism, critical theory, feminism and post-modernism. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI3030

3 Credits

Gender in the Contemporary World

This class will introduce students to issues of gender worldwide, drawing on different disciplines to explore the significance of gender and its construction in different societies. The goal is to enable them to think critically about gender in relation to globalization, the organization of social life on a global scale and the growth of a global consciousness.

SOCI3250

3 Credits

Nationalism and Schooling

The course discusses the multiple functions schooling plays in the process of national identity formation. It starts with introducing the student to the complex and conflicting functions of public education in contemporary societies. Then, it discusses the various meanings of national identity and the way identity in general is constructed. Following these discussions is an analysis of three international case studies. The case studies demonstrate both the application of theories of education and nationalism in the analysis of school textbooks. The course concludes with a presentation of the students’ short research projects.

SOCI3308

3 Credits

Drugs in American Society

The social and cultural aspects of drug use in American society. Emphasis on the causes and consequences of past and present control strategies. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI3310

3 Credits

Juvenile Delinquency

This course explores the juvenile justice system in the United States, including the role of the courts, police and corrections. Current empirical evidence regarding trends in juvenile delinquency is provided, along with an examination of theoretical explanatory models. Juvenile delinquency is understood within the larger social contexts including the family.

SOCI3312

3 Credits

Ethnic and Race Relations

Analysis of theories of race, with a focus on historical and cultural antecedents. Race in its urban context and sociological ramifications. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI3313

3 Credits

Social Inequality

Examines inequality in the American social structure, with an emphasis on social class. Race

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and gender inequalities are also considered, as are comparisons with social inequality in other contemporary societies.

SOCI3314

3 Credits

Sociology of Gender

An analysis of differentiation and stratification on the basis of gender. How definitions of femininity and masculinity are socially created, the relation between sexuality and gender. How gender stratification organizes culture, institutions and social control. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI3330

3 Credits

Crime and Inequality

The study of the relationship between social inequality, crime and the criminal justice system. How inequalities of social class, gender, race and ethnicity affect and are affected by crime and the criminal justice system.

SOCI3335

3 Credits

Sociology of Health and Illness

The social variables surrounding physical and mental health, including study of the medical profession, the economics and politics of health care and the dilemmas arising from new medical technologies.

SOCI3337

3 Credits

Social Movements and Social Change

The course explores how ordinary citizens join forces to form social movements and bring about social change in their societies. The course uses various sociological perspectives to examine how social movements form, what strategies they employ and how they accomplish their goals. It discusses local, regional and global social movements from the Middle East, Latin America, United States, etc., aiming at bringing about social change in the economy, politics, the environment, gender and racial relations.

SOCI3344

3 Credits

Schools and Society

An examination of the emergence of modern school systems and the social and ideological roles of schooling in a complex society. Attention is given to the educational systems as arenas of social and political conflict. Sociological theories of education and schooling are used to evaluate current issues in education including multicultural education, bilingual education, school prayer and creationism, government support of private education, schooling and social class, integration and segregation.

SOCI3351

3 Credits

Urban Sociology

The growth of the economic, political and social organization of American urban institutions; the social structure of the city, suburbia and metropolitan regions, effect of urban life on the individual. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI3355

3 Credits

Social Welfare Policy

An examination of American social welfare policies and their history, values and politics. Contemporary social welfare issues, including poverty, housing, family problems and race relations, are discussed. The course will focus on two questions: What are the objectives of social policy and how well are they being met? and What light does sociological knowledge shed on these issues?

SOCI3362

3 Credits

Work and Occupations

The social significance of work. Analysis of forces changing the contemporary occupation structure, typical career patterns of professions and occupations, the social organization of occupational groups.

SOCI3365

3 Credits

Sociology of Religion

The social functions of religion, institutions and ideologies; the impact of religious problems associated with secularization of religion; economic and political dimensions of religious change and new religious movements.

SOCI4075

1–3 Credits Each Semester

Honors Seminar (Sociology)

SOCI4425

3 Credits

The Black Female Experience in America

This course will explore the black female experience in America from a sociological perspective. In order for students to develop a comprehensive understanding of this experience, theories regarding race, gender, sexuality, love relationships and the various roles inhabited by African-American women will be evaluated. Students will discover the challenges and contributions of African-American women during significant periods of American history including slavery and the Civil Rights movement. The research, literature and artistic works of Patricia Hill-Collins, Tricia Rose, Sheri Parks, Elijah Anderson, Jacqueline Grant, Alice Walker, Angela Davis, Maya Angelou and others will be critically examined. Prerequisite: SOCI1201 Introduction to Sociology.

SOCI4436

3 Credits

Environmental Sociology

An analysis of social and cultural issues raised by environmental changes, including global, local and individual-level causes and effects.

SOCI4477

1–3 Credits Each Semester

Honors Research and Thesis (Sociology)

SOCI4498

1–3 Credits

Internship in Sociology

Structured and supervised work in a social work agency or office for 15 hours a week.

SOCI4700

3–15 Credits

Washington Center Internship

This course is a one-semester internship in Washington, D.C., through the Washington Center Internship Program. Students may register for 3 to 15 credits.

SOCI4800

1–3 Credits Each Semester

Independent Study in Sociology

Independent study under the direction of a specific faculty member after consultation with the department chairperson.

SOCI4900

3–12 Credits

Faculty/Student Research

Members of faculty engage in research projects with selected students with the goal of professional publication or presentation.

SOCI4901

3 Credits

Faculty/Student Research

Members of faculty engage in research projects with selected students with the goal of professional publication or presentation.

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SPAN1001, SPAN1002

6 Credits (3 Credits Each Semester)

Beginning Spanish I, II

An introduction to the language with practice in reading, writing and conversation. Corequisites: SPAN1007 Spanish Practicum I and SPAN1008 Spanish Practicum II.

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SPAN1007

1 Credit

Spanish Practicum I

This one-credit course is linked to SPAN1001 Beginning Spanish I providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: SPAN1001 Beginning Spanish I.

SPAN1008

1 Credit

Spanish Practicum II

This one-credit course is linked to SPAN1002 Beginning Spanish II providing additional reinforcement through exercises that focus on listening and speaking skills. Corequisite: SPAN1002 Beginning Spanish II.

SPAN2001

3 Credits

Spanish for Medical Personnel

This course addresses the linguistic needs of medical professionals. After recapitulating the foundational material for SPAN1001 Beginning Spanish I and SPAN1002 Beginning Spanish II, including the basic grammar structures, this course trains medical professionals in key vocabulary terms and conversational practices that are relevant to health care and medical practice contexts.

SPAN2003

3 Credits

Spanish Conversation I

This course focuses on conversation through writing, reading, literature and grammar. Note: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II may be taken in any order.

SPAN2004

3 Credits

Spanish Conversation II

This course reviews important grammar topics and discusses contemporary issues in the Spanish-speaking world. Note: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II may be taken in any order.

SPAN2006

3 Credits

Music in Spanish: Writing and Conversation

Song lyrics provide the basis for gaining proficiency in spoken and written Spanish. Students expand vocabulary in a broad variety of content areas through discussions on music. Prerequisite: SPAN1002 Beginning Spanish II.

SPAN2007

3 Credits

Hispanic Current Events: Writing and Conversation

Taught in Spanish, current events are used to gain proficiency in Spanish with emphasis on

vocabulary, idiomatic expressions and grammar. Prerequisite: SPAN1002 Beginning Spanish II.

SPAN2008

3 Credits

Hispanic Film: Writing and Conversation

Films from Latin America and Spain inform class conversation and writing assignments. Through film, vocabulary is expanded, culture is addressed and grammar is reviewed. Prerequisite: SPAN2003 Spanish Conversation I or SPAN2004 Spanish Conversation II.

SPAN2009

3 Credits

Spanish for Professions

This course teaches students how to diversify their vocabulary as they build proficiency in specific content areas directly linked to their undergraduate major. More advanced students may also benefit from this course as the focus is on technical language or specific content areas generally not studied in other courses. A hands-on, workshop environment will help students feel comfortable in dealing with common situations specific to their field of expertise. Prerequisite: SPAN1202 Beginning Spanish II or placement at the 2000-level or above.

SPAN2015

1 Credit

Spanish Study Abroad Expansion

Independent study will allow students to explore specific topics directly linked to Spanish culture that may also be enhanced by the study-abroad experience. Topics are defined in consultation with the instructor. This course is taught in English.

SPAN2016

1 Credit

Latin American Study Abroad Expansion

Students will explore specific topics directly linked to study abroad in Latin America. This course is taught in English.

SPAN2020

3 Credits

Spanish Composition

This course helps students improve their writing skills. Students will write on a variety of topics. A review of Spanish grammar and syntax, among other topics, will help students write clearly and effectively. Prerequisite: SPAN2003 Spanish Conversation I or SPAN2004 Spanish Conversation II.

SPAN2101

3 Credits

Hispanic Identities: Myths and Realities

Focusing on pivotal moments in literature and history, this course studies how representations

of fact have been used to create a Hispanic identity. The purpose of the course is to evaluate the discourses that have been shared as an integral part of Hispanic legacy. Through a study of the creation and evolution of such notions and in comparison to uses of other national discourses — mainly of the United States — the course hopes to arrive at an understanding of the discursive forces that shape national identities.

SPAN2504

3 Credits

Spanish Art and Its Influence in the Americas

Taught in English, this course studies Spanish art from the Middle Ages to the present and its influence on Latin-American art.

SPAN2506

3 Credits

Spanish Culture and Civilization

This course, taught in English, introduces key topics in Spanish history, politics, arts and literature as well as the sciences. It will also address contemporary issues in Spanish culture.

SPAN2507

3 Credits

Latin-American Culture and Civilization

This course, taught in English, introduces key topics in Latin-American history, politics, arts and literature as well as the sciences. It will also address contemporary issues in Latin-American culture.

SPAN2508

1 Credit

Latin-American Culture and Civilization: Study Abroad

Study-abroad activities linked to SPAN2507 Latin-American Culture and Civilization. Corequisite: SPAN2507 Latin-American Culture and Civilization or permission of instructor.

SPAN2515

3 Credits

Spanish Film

This course surveys Spanish film. Students analyze how cinema represents Spanish history and culture. They also examine how Spanish film has moved from local and national themes to include more global topics for an international audience. (Equivalent to CINE2515 Spanish Film.)

SPAN2530

3 Credits

Latin American Film

Designed to introduce students to culture through film media, the course focuses on the study of 10 films from most countries in Latin America. First analyzed from a general perspective, each film provides a different aspect of the culture of the Spanish-speaking world. (Equivalent to CINE2530 Latin American Film.)

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SPAN3008

3 Credits

Nation, Gender and Ethnicity in Latin-American Cultures and Literatures

This course reviews discourses informed by issues regarding national identity, race, gender and social class. The course will focus on how these concepts and categories inform Latin-American culture. Prerequisites: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II.

SPAN3009

3 Credits

Afro-Hispanic Literature

This course focuses on the literature of the black experience in Hispanic America. Texts are selected from a variety of genres and periods. Prerequisite: SPAN2003 Spanish Conversation I or SPAN2004 Spanish Conversation II.

SPAN3015

3 Credits

Hispanic Identities: Myths and Realities

This bilingual course focuses on pivotal moments in literature and history. It studies how representations of myth and reality have been used to create a Hispanic identity. The discourses that have been shared as an integral part of the Hispanic legacy are reviewed.

SPAN3016

3 Credits

Latin-American Classics and Their Film Versions

A bilingual course designed to acquaint the student with contemporary Latin-American literature and adaptations of major works to film.

SPAN3030

3 Credits

Hispanic Nobel Prize Writers

This course focuses on the winners of the Nobel Prize in Literature from the Spanish-speaking world. Study and analysis of the characteristics of the masterpieces created by this elite group of writers and the selection process of the Nobel Prize committee. Examination of the texts from the perspective of Spanish-speaking writers to assess the local as well global significance of the works. Writers include Marques, Paz, Neruda, Asturias and Mistral, among others. The works are read in Spanish. Prerequisites: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II.

SPAN3310

3 Credits

Latin-American Women Writers

A study of the works of contemporary Latin-American women writers including Isabel Allende, Elena Castedo, Laura Esquivel, Ann Miranda, Luisa Valenzuela and others. The course is taught in English.

SPAN3410

3 Credits

Spanish Culture and Civilization

Taught in Spanish, this course introduces key topics in Spanish history, politics, arts and literature as well as the sciences. It also addresses contemporary issues in Spanish culture.

SPAN3411

3 Credits

Latin-American Culture and Civilization

Taught in Spanish, this course introduces key topics in Latin-American history, politics, arts, literature as well as the sciences. It also addresses contemporary issues in Latin-American culture.

SPAN3412

1 Credit

Latin-American Culture and Civilization: Study Abroad

Study-abroad activities linked to SPAN3411 Latin-American Culture and Civilization. Corequisite: SPAN3411 Latin-American Culture and Civilization or permission of instructor.

SPAN3417

1 Credit

Spanish Study Abroad Expansion

Independent study will allow students to explore specific topics directly linked to Spanish culture that may also be enhanced by the study-abroad experience. Topics are defined in consultation with the instructor. This course is taught in Spanish.

SPAN3418

1 Credit

Latin American Study Abroad

Students will explore specific topics directly linked to study abroad in Latin America. This course is taught in Spanish. Prerequisite: SPAN2003 Spanish Conversation I or SPAN2004 Spanish Conversation II.

SPAN3431

3 Credits

Latin-American Short Stories

Reading and translation of Latin-American short stories.

SPAN3441

3 Credits

Latin-American Theater

This course will survey important currents in the development of Latin-American theater. Dramatic texts will be studied to understand how they reflect on social and political issues. Moreover, how Latin-American dramatic discourse emerges within the context of colonialism, in response to other theatrical traditions, and in its search for its own identity, will be key concepts explored in this course. Key moments from the early colonial period to the 20th century will in-

form the course discussion.

SPAN3451

3 Credits

Spanish Translation/Interpretation

Conversation focuses on current events of interest and significance from the Spanish point of view. Spanish newspapers and magazines form the textbook material. Composition focus is the same. Translation exercises are Spanish to English and English to Spanish. Grammar is reviewed as needed.

SPAN3452

3 Credits

Writing in Spanish

Students read and write in a wide variety of content areas. Advanced grammar is reviewed as students expand their vocabulary and improve their written expression. Prerequisite: SPAN2003 Spanish Conversation I, SPAN2004 Spanish Conversation II or departmental permission.

SPAN3462

3 Credits

Topics in Hispanic Poetry

This course surveys the development of poetry in Spain and Latin America. It examines major movements in the Hispanic lyric.

SPAN3463

3 Credits

The Hispanic Essay

This course surveys the development of the essay in Spain and Latin America. It examines a variety of discourses with special attention to how this genre has served in forging national identities and how the essay continues to address contemporary concerns. Prerequisites: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II.

SPAN3480

3 Credits

Spanish Classics on Film

Taught in Spanish, this course surveys Spanish works of literature and adaptations of these works to film.

SPAN3502

3 Credits

Spanish Translation

This course focuses on translating written material.

SPAN3503

3 Credits

The Short Story in Spanish

Readings of and essays on selected short stories from Latin America and Spain.

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SPAN3510

3 Credits

Introduction to Spanish Linguistics

This course focuses on the nature of Romance languages with a special emphasis on Spanish. Characteristics of phonological and grammatical systems of the lexicon are explored as well as the evolution of the language.

SPAN3551

3 Credits

Topics in Spanish Literature I

This course focuses on the literature of the Middle Ages through the Enlightenment in Spain. Prerequisites: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II.

SPAN3552

3 Credits

Topics in Spanish Literature II

This course focuses on Romanticism, Realism, Modernism and other contemporary themes in Spanish literature.

SPAN3561

3 Credits

Topics in Latin-American Literature I

This course focuses on the literature of Latin America from pre-Hispanic texts through the Enlightenment.

SPAN3562

3 Credits

Topics in Latin-American Literature II

This course focuses on the literature of Latin America from Romanticism to the present.

SPAN3600

3 Credits

Cervantes

Selected works by Cervantes will be studied within their historical context. Careful attention will be placed on literary genre and innovations expanding the possibilities of specific genres. Prerequisites: SPAN2003 Spanish Conversation I and SPAN2004 Spanish Conversation II.

SPAN3601

3 Credits

Advanced Spanish Grammar

This course focuses on intensive grammar review, sentence structure, building vocabulary and perfecting composition skills.

SPAN4005

3 Credits

Advanced Spanish Review

This course reviews fundamental aspects of Spanish texts in the Spanish language. Special attention is given to literary genres, the reader's reception of these texts and the contexts of the texts. Prerequisite: SPAN2004 Spanish Conversation II or department permission.

SPAN4005

3 Credits

Latin-American Women Writers

Selected readings in Spanish of significant authors of Latin-American literature.

SPAN4440

3 Credits

The Hispanic Novel: From Cervantes to García Márquez

This course offers a sampling of novels from representative writers of Spain and Latin America. Important literary periods and movements will be studied in their respective contexts — from Spain's Golden Age period to the Literary Boom in Latin America of the 1960s.

SPAN4477

3 Credits

Honors Research and Thesis

Senior research and thesis applying students' knowledge of the Spanish language. Mentorship required.

SPAN4498

3 Credits

Internship

Practical experience working in a business, government or nonprofit setting or in publications, applying academic knowledge; academic component includes weekly journals and semester-evaluative paper and frequent interaction with department mentor.

SPAN4600

3 Credits

Spanish Theater

This course surveys 20th-century Spanish theater including plays by Benavente, Valle-Inclán and Lorca among others. It also studies one work by a contemporary playwright.

SPAN4800

1–6 Credits

Senior Independent Study – Spanish

Independent study in Spanish at the senior level.

SPAN4900

5–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

SPAN4999

3 Credits

Senior Thesis Seminar

Review of research methods as students conduct independent study toward completion of a research paper.

Theater and Speech

School of the Arts

Dance

DAN1320

3 Credits

Beginning Dance I

This beginner's course is designed to introduce students to modern dance, jazz and ballet techniques and the basic terminology of dance steps. Emphasis will be placed on developing proper body alignment necessary to dancing. Prior dance training is not required for this course.

DAN2020

3 Credits

Basic Tap

An introductory course to tap dancing. Students will have the opportunity to develop and master basic tap and performance skills. Students will participate fully in center floor combinations, audition prep, body conditioning and alignment. Prerequisite: DAN1320 Beginning Dance I.

DAN2021

3 Credits

Ballet I

This course is designed to provide an opportunity to experience the foundation of dance through the study of ballet. Students will develop alignment, strengthen their ballet vocabulary and increase their knowledge of ballet.

DAN2022

3 Credits

Ballet II

This course is a continuation of the practice and understanding of ballet technique and vocabulary taught in DAN2021 Ballet I. Students will increase facility and understanding of dance through consistent repetition of exercises and technique. Students will improve alignment, stamina and musicality through continued practice. Prerequisite: DAN2021 Ballet I.

DAN2023

1 Credit

Ballet III

A continuation of the practice and understanding of ballet technique and vocabulary taught in DAN2022 Ballet II. Students will increase facility and understanding of dance through consistent repetition of exercises and technique. They will improve alignment, stamina and musicality through continued practice. Prerequisite: DAN2022 Ballet II.

DAN2024

1 Credit

Ballet IV

A continuation of the practice and understanding of ballet technique and vocabulary taught in

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DAN2023 Ballet III. Students will increase facility and understanding of dance through consistent repetition of exercises and technique. They will improve alignment, stamina and musicality through continued practice. Prerequisite: DAN2023 Ballet II.

DAN2505

3 Credits

Dance II

A continuation of DAN1320 Beginning Dance I, this course will implement intermediate levels of ballet, modern and jazz techniques. Various dance forms will be studied including traditional, Broadway and contemporary hip-hop. Students will improve their technique, coordination, flexibility and muscular development. Prerequisite: DAN1320 Beginning Dance I.

DAN2506

3 Credits

Movement for the Actor

The basic elements of movement will be explored to help actors strengthen individual expression. The course will focus on coordination, grace and improvement of dexterity. Students will work toward creating a physical vocabulary as a basis for developing a character.

DAN2507

3 Credits

Choreography

Choreography is the art of making dances. In this course students will practice the skills of creating movement, editing work, notating and rehearsing steps to create choreographic phrases and work. Preclassical dance forms, modern dance forms and musical styles will be explored. Prerequisite: DAN2021 Ballet I or DAN2505 Dance II.

DAN2600

3 Credits

Theater Dance

This class covers different dance styles used in the theater, including jazz, tap, modern and character dancing. The course also introduces students to the dance styles of noted choreographers such as Bob Fosse, Michael Bennett, Tommy Tune and Jerome Robbins. They would also be introduced to the choreographers' signature works, for example, "West Side Story," "Sweet Charity," "My One and Only," etc., and would be taught excerpts from the original choreography. The course will conclude with prepared audition pieces.

DAN3020

3 Credits

Advanced Tap

A secondary course in tap dancing designed to give students the opportunity to further develop and learn tap-dancing skills. Students will participate fully in the following: warm-ups that take them through the vocabulary of tap; center floor combinations; audition prep; learning to pick up a combination quickly; body condition-

ing and alignment. Prerequisite: DAN2020 Basic Tap.

DAN3021

1 Credit

Advanced Tap II

A review of the practice and understanding of tap technique and vocabulary taught in DAN3020 Advanced Tap. Students will increase facility and understanding of dance through constant repetition of exercises. They will improve alignment, stamina and musicality through continued practice. Prerequisite: DAN3020 Advanced Tap.

DAN3316

1 Credit

Stage Combat I

This course covers techniques of personal combat used in theatrical staging of actual fights, falls, slaps, punches and duels. Included in this course will be introductory practices in both armed and unarmed combat for stage.

DAN3321

1 Credit

Stage Combat II

Students will learn advanced work in both armed and unarmed combat for the stage. Also covered in this course will be sword and dagger, sword and cape, knife and advanced hand to hand. Prerequisite: DAN3316 Stage Combat I.

DAN3800

1-3 Credits

Independent Study Dance

Students work on an assigned project with a mentor.

DAN4422

1-3 Credits

Internship in Dance I

Internship within dance that integrates classroom learning with supervised employment in an area relevant to the student's educational and career goals. Interns are expected to work a full semester with hours to be determined by both the academic department and the hiring organization.

DAN4423

1-3 Credits

Internship in Dance II

Continued internship within dance that integrates classroom learning with supervised employment in an area relevant to the student's educational and career goals. Interns are expected to work a full semester with hours to be determined by both the academic department and the hiring organization.

DAN4900

3 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

DAN4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: DAN4900 Faculty/Student Research.

DANH1322

3 Credits

Dance History and Appreciation

This course is designed to cover the history of dance from its earliest forms to the present as well as increase appreciation and awareness of dance as an art form. This course will include viewing and researching dancers and choreographers who helped shape history. Through the viewing of film, video and live dance performances, students will experience the art, culture and universal expression of dance.

Speech

SPCH1107

3 Credits

Fundamentals of Speech

A class seminar in public speaking as a communicative art. Stress is on personal understanding, projection of self and relationship to listeners. A practical course for all who anticipate speaking before small or large groups.

SPCH1204

3 Credits

Voice for the Actor

The class will develop the vocal instrument of the actor. Students will be given special techniques for relaxing the body, deepening the breath and developing resonance, projection and articulation. This will provide students with the tools to possess a voice with the energy, range and clarity required for the stage.

SPCH1205

3 Credits

Voice for the Actor II

This class, a continuation of SPCH1204 Voice for the Actor, will use physical and voice exercises to help the student speak clearly and expressively. Emphasis will be placed on articulation and breath support. Work with the international phonetic alphabet will continue and be used to analyze dialects for performance. Prerequisite: SPCH1204 Voice for the Actor.

SPCH2004

3 Credits

Speech and Diction

This class will use physical and vocal exercises to help students speak clearly and expressively. Emphasis will be placed on breath support, resonance and articulation. The international phonetic alphabet will be used to help accent reduction. Prerequisite: SPCH1204 Voice for the Actor.

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SPCH2006

3 Credits

Speech and Diction II

This course is a continuation of SPCH2004 Speech and Diction and the study of phonetics. Students will focus on phonetics and continued accent reduction, good speech for the stage and the application of IPA (International Phonetic Alphabet) as text. Prerequisite: SPCH2004 Speech and Diction.

SPCH3001

1 Credit

Voice and Speech Combination

A one-credit course to allow students who have already taken preliminary courses in voice production and speech. This course will allow students to continue with their vocal training as well as continue with exercises geared towards performances in Dreyfuss Theater. Preproduction warm-ups will also be featured. Prerequisite: SPCH1204 Voice for the Actor and SPCH2004 Speech and Diction.

SPCH4421

3 Credits

Advanced Acting II: Dialects and Styles

This course will explore language and dialect through advanced scene work. Students will learn to apply dialect and language skills in an audition setting. The course will introduce and familiarize students with advanced techniques for "cold reads" and with style in scene work from a range of historical periods. Prerequisite: THEA4420 Advanced Acting. (Equivalent to THEA4421 Advanced Acting II.)

SPCH4422

1-3 Credits

Internship in Speech I

Internships in speech, including those for theater arts majors, which emphasize use of this facility.

SPCH4423

1-3 Credits

Internship in Speech II

Internships in speech, including those for theater arts majors, which emphasize use of this facility.

SPCH4900

3-12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

SPCH4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: SPCH4900 Faculty/Student Research.

Theater

THEA1005

1 Credit

Makeup for the Stage

The basics of makeup application for the stage.

THEA1010

3 Credits

Vectorworks for Entertainment

This class is designed to give students an introduction into the world of computer drafting. Students will learn how to use the Vectorworks drafting program. This class will also provide working knowledge and understanding of drafting from light plots to scenic ground plans. When complete, students will have an understanding of industry standards, helping them prepare for the professional world.

THEA1015

3 Credits

Basic Vocal Technique

This course uses a workshop format to teach vocal anatomy, proper breathing, balanced tone as well as work on vocal registers and vocal health. Each student will be assigned pieces from musical theater and/or the classical repertoire. This course is targeted for freshman theater arts majors with a concentration in musical theater and/or other students wishing to improve their singing and gain confidence and skill set for solo singing. (Equivalent to MUSIC1015 Basic Vocal Technique.)

THEA1110

3 Credits

Introduction to Acting

This course is designed to provide students with some basic acting techniques. Regardless of previous training and experience, if any, this class will give students a strong foundation on which to build in terms of concentration, focus, motivation and presentation. This course will include physical and vocal warm-ups, improvisation, conflict exercises, monologue and scene work. Emphasis will be placed on practical execution as well as academic theory.

THEA1111

3 Credits

Introduction to Acting II

This course is a continuation of THEA1110 Introduction to Acting. Designed to introduce nonmajors to basic acting theory and to develop their oral communication skills, it will allow students to explore scene work in greater depth. The course will help students develop their improvisational skills and will encourage students to apply what they have learned in the previous semester to rehearsal and performance settings. Vocal and physical exercises will also be introduced. Prerequisite: THEA1110 Introduction to Acting.

THEA1203

3 Credits

Basic Acting I

A course in the fundamentals of acting training, which will emphasize truthful human behavior and creativity on stage. Techniques to be covered will include the use of objectives, subtext, improvisation and rehearsal strategy.

THEA2001

1 Credit

Advanced Makeup for the Stage

Study more advanced makeup techniques including advanced period makeup, aging, facial-hair application, special effects (cuts and bruises) and latex application. Prerequisite: THEA1005 Makeup for the Stage.

THEA2005

3 Credits

Directing I

A study of the basic theories and techniques of directing, organization, basic staging and composition will be studied as well as script analysis, casting and working with actors. Prerequisite: THEA1203 Basic Acting I.

THEA2015

3 Credits

Vocal Technique II

The course continues developing skills for proper and healthy singing. It will concentrate on the emergence of a personal, convincing and appropriate expressive style on the basis of free singing tone and well-supported vocal mechanism. Students will be assigned pieces from musical theater or the classical repertoire. Prerequisite: THEA1015 Basic Vocal Technique. (Equivalent to MUSIC2015 Vocal Technique II.)

THEA2101

3 Credits

Elements of Playwriting

In this introduction to the craft of playwriting, students will complete a series of writing exercises that address characterization, dialogue, conflict and dramatic structure. These exercises will ultimately culminate in the creation of a one-act play by the end of the course.

THEA2203

3 Credits

TV Writing and Screenwriting I

Seminar conducted as workshop. Work submitted biweekly toward the completion of a 30-minute teleplay or film.

THEA2204

3 Credits

Intermediate Acting

A continuation and development of the techniques of THEA1203 Basic Acting I, with a particular emphasis on scene study, monologs and auditioning skills. Prerequisite: THEA1203 Basic Acting I.

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THEA2209

3 Credits

Stagecraft I

This course has been structured to stress basic design concepts that are then translated into the construction of sets for all plays presented by the department.

THEA2215

3 Credits

Set Design I

The principles and techniques of designing scenery for the theater. Students will learn rendering, drafting and model making and create an original design from script to complete model. Participation in campus productions required.

THEA2216

3 Credits

Set Design II

Advanced work in scenic design. Students will create original designs and may produce them in workshop productions. Participation in campus productions required. Prerequisite: THEA2215 Set Design I.

THEA2220

3 Credits

Introduction to Acting II

This course will follow the same format as THEA2204 Intermediate Acting but will be restricted to non-majors only. (A continuation and development of THEA1203 Basic Acting I, with a particular emphasis on scene study, monologs and auditioning skills.) Prerequisite: THEA1203 Basic Acting I.

THEA2300

2 Credits

Performance and Production

A two-credit course open to theater majors only that will work on presentation of scenes, short plays or cabaret acts. Prerequisite: THEA1203 Basic Acting I.

THEA2310

3 Credits

Stage Management

A course to train students in the duties and responsibilities of running rehearsals and performances. From the preparation of the prompt book, to maintaining the artistic intentions of the director, to calling cues and keeping records and rehearsal reports, students will be able to oversee all aspects of backstage production.

THEA2311

3 Credits

Children's Theater

This course is designed to bring theater to younger audiences (5th–8th graders) by writing, designing and acting in a production created by students and toured to two to three middle schools in the vicinity. The rehearsal

process will occur during the final week of summer break and then tour during the early part of the following fall semester. Students will learn how to create a production from the initial script to final performance in all aspects. (Equivalent to MUSIC2311 Children's Musical Theater.)

THEA2312

3 Credits

Children's Theater II

An opportunity to build, rehearse and perform with the Youth Theater Project performance of "Possibilities." Prerequisite: THEA2311 Children's Theater.

THEA2339

3 Credits

Musical Theater Workshop

A course designed to offer instructional training in singing for the musical theater. Emphasis will be placed on vocal training, rhythm and presentation, and each student will be helped to choose material suitable for his or her vocal range. Prerequisite: THEA1203 Basic Acting I. (Equivalent to MUSIC2339 Musical Theater Workshop.)

THEA2340

3 Credits

Advanced Musical Theater Workshop

A performance workshop for advanced theater majors and singers. It focuses on improving singing and acting skills in the performances of songs and audition techniques. Prerequisite: MUSIC2339 Musical Theater Workshop or THEA2339 Musical Theater Workshop. (Equivalent to MUSIC2340 Advanced Musical Theater Workshop.)

THEA2506

3 Credits

Movement for the Actor

The basic elements of movement will be explored to help actors develop individual expression. The course will focus on coordination, grace and improvement of dexterity. Students will work toward creating a physical vocabulary as a basis for developing character.

THEA3001

3 Credits

Advanced Playwriting and Drama I

Seminar conducted as a workshop. For those seriously interested in developing as writers for theater. Work submitted biweekly toward completion of a full-length play.

THEA3006

1 Credit

Directing II

This is an advanced course that will require the preparation of scenes that will ultimately lead to performances. Techniques will receive major emphasis.

Spring, Odd Years

THEA3101

3 Credits

Greek and Roman Drama

The course analyzes some of the seminal works in Greek and Roman tragedy and comedy, looking at the historical, political and philosophical circumstances that inform the plays. A history of stagings through the centuries and attention to contemporary productions will be part of the course as well. Authors considered include Aeschylus, Sophocles, Euripides, Plato, Aristotle, Menander, Aristophanes, Plautus, Terrence and Seneca. Prerequisite: ENG1001 Composition I: Rhetoric and Inquiry.

THEA3102

3 Credits

Studies in Drama

Analysis of significant plays, focusing on particular themes, playwrights, historical periods or forms of drama. Topics change with each offering. Prerequisite: ENG1002 Composition II: Research and Argument or equivalent.

THEA3105

3 Credits

Contemporary European Drama

Study of major European plays, playwrights and dramatic movements since World War II. Emphasis on plays as literature and performance; trends in contemporary stagecraft; social issues in the drama. (Equivalent to LITS3105 Contemporary European Drama.)

THEA3106

3 Credits

Contemporary World Drama

Study of major non-European plays, playwrights and dramatic movements since World War II. Emphasis on plays as literature and performance; trends in contemporary stagecraft; social issues in the drama. Prerequisite: ENG1002 Composition II: Research and Argument or equivalent.

THEA3107

3 Credits

Hispanic Drama

Study and analysis of major works of Spanish theater from the Renaissance to the present. Prerequisite: ENG1002 Composition II: Research and Argument or equivalent.

THEA3110

3 Credits

Stagecraft II

This course has been designed to incorporate advanced design and construction concepts and techniques. This work will be done in conjunction with problems presented by all department productions. Prerequisite: THEA2209 Stagecraft I.

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THEA3112

3 Credits

Lighting for the Stage

Lighting design in theory and practice. From basic electricity to the art of using lighting to support the theatrical designs of the play. Subjects covered will include instrumentation, circuitry, light plots, color, angles and control. Participation in campus productions required.

THEA3213

3 Credits

Shakespeare I

A survey of Shakespeare's major poems, comedies, histories and tragedies. Attention is paid to Shakespeare's language, life and times and his role as innovator in English drama. Prerequisite: ENG1002 Composition II: Research and Argument or equivalent or LITS2001 The European Tradition I or LITS2002 World Literature II: 13th–18th Centuries.

THEA3255

3 Credits

Advanced Playwriting

In this class students will move past the basics of dramatic structure and workshop to longer pieces: full-length plays and screenplays. They will also be reading plays and viewing films with a focus on craft and dramaturgy, narrative structure, subtext and character development. The semester will close with an invited reading of excerpts from the longer works. Prerequisite: THEAH2255 Playwriting and Dramatic Structure or permission of instructor.

THEA3309

3 Credits

Advanced Directing

For those seriously interested in developing in depth as directors, preparation of scenes will ultimately lead to performance of staged one-act plays. Prerequisite: THEA2005 Directing I.

THEA3313

3 Credits

Scene Painting I

The basic techniques of painting 2-dimensional and 3-dimensional scenery for the stage. Dry brushing, rag rolling, spattering, spraying and scumbling are taught along with a variety of other faux techniques.

THEA3314

3 Credits

Scene Painting II

More advanced problems in scene painting for the theater, including painting large drops, perspective, "gridding up" and projections. Prerequisite: THEA3313 Scene Painting I.

THEA3325

3 Credits

Stagecraft III

Advanced problems in technical theater production. Students head key elements of mainstage theater productions including lighting and

sound, wardrobe, props, scene painting and master carpentry. Prerequisite: THEA2209 Stagecraft I or THEA3110 Stagecraft II.

THEA3336

3 Credits

Acting for Film and Television

This course is designed to instruct the student in the basic techniques of characterization and movement within the confines of the camera lens. Students will recreate scenes from established films, which will be taped using professional techniques, e.g., master shot, two shot and close-up. Prerequisite: THEA2204 Intermediate Acting.

THEA3340

3 Credits

London Theatre Experience II

This course will provide students who have already taken THEAH3339 The London Theatre the opportunity to revisit London and visit six to seven different professional theater productions and attend lectures and workshops with different actors and theater professionals. Prerequisite: THEAH3339 The London Theatre.

Fee

THEA3351

1 Credit

Production and Crew I

Designed as a hands-on theater experience for students who participate in mainstage production, this course will cover all experiential aspects of production: audition, preproduction, rehearsal and performance.

THEA3352

1 Credit

Production and Crew II

Designed as a hands-on theater experience for students who participate in mainstage production, this course will cover all aspects of production: audition, live production, rehearsal and performance. Second production. Prerequisite: THEA3351 Production and Crew I.

THEA3353

1 Credit

Production and Crew III

Designed as a hands-on theater experience for students who participate in mainstage productions, this course will cover all aspects of production: audition, preproduction, rehearsal and performance. Third production. Prerequisite: THEA3352 Production and Crew II.

THEA3358

3 Credits

Acting Shakespeare

An examination of Shakespeare's verse structure, analysis of the texts and an exploration of character and common themes in Shakespeare's plays. The class will include presentation of selected monologs and scenes and will incorporate the viewing of tape and film and visits to profes-

sional productions. Prerequisite: THEA1203 Basic Acting I.

THEA4403

3 Credits

Producing for the Theater

A practical course in theater production. Students are involved in general management practices for actual theater productions including marketing and publicizing the shows and managing the box office and the front of the house.

THEA4405

3 Credits

Senior Seminar: The Working Actor

A course especially designed for final-semester senior theater majors to prepare them for the professional world. The class will focus on audition techniques and will culminate in a Manhattan showcase in front of professional agents and casting directors. Prerequisite: available to senior theater arts majors only.

THEA4410

3 Credits

Stagecraft IV

Students are totally responsible (under faculty supervision) for all technical elements of a studio theater production, including set and lighting design, sound, props and costumes. Prerequisites: THEA2215 Set Design I and/or THEA3110 Stagecraft II, THEA3112 Lighting for the Stage and THEA3325 Stagecraft III.

THEA4415

3 Credits

Building the Scenic Model

The basic techniques and materials for creating scale models for the theater, film and animation. Students learn to work in scale and use a variety of materials and painting techniques to create 3-dimensional models of theatrical sets and environments. Prerequisite: THEA2216 Set Design II.

THEA4416

3 Credits

Rendering and Drafting for the Theater

Problems in creating 2-dimensional color renderings in perspective. Watercolor, acrylic and marker techniques are taught along with advanced elements of drafting 2-D and 3-D scenery. Focus is on ground plans, elevations and construction drawings. Prerequisite: THEA2216 Set Design II.

THEA4420

3 Credits

Advanced Acting

This is an intensive course for seniors who plan to pursue acting as a career beyond college. Course work will include character work, opposite point of view, impediments and advanced scene study. Actors will learn to transform their behavior using a range of techniques,

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while building on the fundamentals of truth-based acting and play structure.

THEA4421

3 Credits

Advanced Acting II

Advanced scene study and character work; additional course work for students who have progressed beyond THEA4420 Advanced Acting. The course will prepare them for work at the master of fine arts level and will include the study of and work with contemporary dramatic authors. Prerequisite: THEA4420 Advanced Acting. (Equivalent to SPCH4421 Advanced Acting II: Dialects and Styles.)

THEA4422, THEA4423

1–3 Credits

Internship in Theater

Students will intern with a professional theater or theater production office. Prerequisite: permission of instructor.

THEA4800

1–3 Credits Each Semester

Independent Study in Theater

Independent study with a specific faculty member after consultation with the department chairperson.

THEA4900

3–12 Credits

Faculty/Student Research

Members of the faculty engage in research projects with selected students with the goal of professional publication or presentation.

THEA4901

3 Credits

Faculty/Student Research

Members of the faculty engage in continued research projects with selected students with the goal of professional publication or presentation. Prerequisite: THEA4900 Faculty/Student Research.

THEAH1201

3 Credits

Development of the Theater: Ancient to Elizabethan

Understanding theater as live performance through lecture, discussion and experimentation with old and new ideas on staging and production. The student will explore the use of the stage and function of music, movement, the actor's art and the director's art, based on scripts from the Greeks through the time of Shakespeare. *Spring*

THEAH1202

3 Credits

Development of the Theater: Restoration to Today

Since the time of Shakespeare, "modern theater" has blossomed and flourished all over the

globe. Through lectures, readings, class discussions, viewings of live stage performances and films, students will explore trends that led to modern drama, including The Golden Age of Spain, German Romanticism, the Poetic Realism of Chekov, Asian Theater, the American Musical and Avant-garde Theater. Theater projects and theater trips. Offered every semester.

THEAH2255

3 Credits

Playwriting and Dramatic Structure

Through writing and revising a play, students discover and explore the dramatic form. Emphasis is placed on the nature and development of conflict and strategies for resolution.

THEAH3103

3 Credits

Modern Drama 1880–1930

The course focuses on the innovative theater of Ibsen, Strindberg and Chekhov at the turn of the 20th century. Other playwrights (such as Pirandello and Brecht) may be considered as well.

THEAH3337

3 Credits

Night at the Theater

Field trips to the varied and rich theatrical fare in the metropolitan area, including Broadway, Off-Broadway and regional theater. Discussions explore various aspects of the plays and production. Students are responsible for transportation to and from theater location. Tickets are underwritten by grants from the Peter Jay Sharp Foundation.

Fee

THEAH3339

3 Credits

The London Theatre

A 10-day trip to London during spring break to see plays and attend theater-related classes at the Globe Theatre. This will be preceded by class study of plays involved and followed by class discussion upon the students' return to the Florham Campus.

Fee

THEAH3344

3 Credits

History of the Musical

A survey of the history of contemporary musical theater from its origins in the 19th century through present day. In addition to lectures and discussions, the course makes extensive use of audio and video materials. (Equivalent to MUSIH3344 History of the Musical.)

THEAH3357

3 Credits

Audio Design Concepts

This course will provide an overview of the techniques and the tools of sound design and the sound designer's role in the theater. How

sounds move through the air, microphones, as well as speaker choice and placement will be presented. Students interested in live sound for theater presentations or concerts should consider this course. Prerequisite: THEA3351 Production and Crew I.

Writing and Creative Writing

*Department of Literature,
Language, Writing and Philosophy*

CREW1001

3 Credits

Introduction to Creative Writing

In this course, students will read and discuss contemporary literature in at least three of the four major creative writing genres: fiction, poetry, creative nonfiction and drama. And, in a workshop setting, students will also write in those genres, allowing them the opportunity to discover and explore areas for future study. Note: This is a prerequisite for all CREW 2000-level courses.

CREW1002

3 Credits

Introduction to Fiction Writing

Study and practice of writing fiction. The workshop places the focus on student writing. Additional reading provides the context for discussion of craft and form. This course is not for creative writing major credit.

CREW2002

3 Credits

Creative Writing: Fiction

Study and practice of writing fiction. The workshop places the focus on student writing. Additional reading provides the context for discussion of craft and form. Prerequisite: CREW1001 Introduction to Creative Writing.

CREW2003

3 Credits

Creative Writing: Poetry

Study and practice of writing poetry. The workshop places focus on student writing. Additional reading provides the context for discussion of craft and form. Prerequisite: CREW1001 Introduction to Creative Writing.

CREW2016

3 Credits

CNF: What's Your Real Story

This is a writing workshop on literary or creative nonfiction — which means it uses stories from real life, and craft them into literary pieces similar to a short story, using students' own experiences as raw material. Memoirs and collections of personal essays are examples of this genre, and students will read examples of these as well as write their own pieces for the work-

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shop. This is a required course for all creative writing majors and minors. Non-creative writing majors and minors are also welcome.

CREW2250

3 Credits

Screenwriting I

Students learn the basics of screenplay structure, character development, rising and falling action and conflict and resolution by writing scripts and reading and analyzing successful screenplays. Students complete short scripts that may be used in other classes as shooting assignments. Prerequisite: CREW1001 Introduction to Creative Writing. (Equivalent to FILM2250 Screenwriting I.)

CREW2255

3 Credits

Playwriting and Dramatic Structure

Through writing and revising a play, students discover and explore the dramatic form. Emphasis is placed on the nature and development of conflict and strategies for resolution.

CREW2300

3 Credits

Fiction Workshop: Vampires, Zombie and Me — Young Adult and Children's Literature

In this workshop, students will focus on writing for children and young adults (YA). What is important to consider when writing for a younger audience? How far can one push things in YA? Is there really a difference between young adult and adult literature anymore? This is a fiction-writing workshop to develop one's own book or start one. The class will also be reading young-adult and middle-grade books: fantasy, dystopia, realism and mysteries. Writing for young people is as complex and challenging as writing for adults. Students should be prepared for an intensive writing workshop, reading and class discussion.

CREW2500

3 Credits

Ways of Seeing: Poetry Writing and Visual Arts

Using contemporary and classic art and writing inspired by art, this course is a multifaceted exploration of the ways students see and how they can express that in their own poetry writing. Among other things, students will learn how teaching police (and others) to look at art has led to solving crimes in the real world; how learning such techniques of looking at and understanding art may enrich one's life, academic experience and career; how contemporary and earlier art have been used to educate, create social change, religious change and so on. Students will write poems and critical responses to art and to assigned reading. This course has no prerequisites. Note: For creative writing majors, this course can substitute for CREW3012 Advanced Poetry Writing, with workload adjusted accordingly.

CREW3010

3 Credits

Special Topics: Invented Worlds — Speculative and Fantastic Fiction

In this workshop students will examine various forms of speculative and fantastic fiction and generate a collection of interconnected stories set in a singular world of their own making.

CREW3011

3 Credits

Advanced Fiction Writing

An advanced workshop in the craft and form of writing fiction. Prerequisite: CREW2002 Creative Writing: Fiction.

CREW3012

3 Credits

Advanced Poetry Writing

An advanced workshop in the craft and form of poetry writing.

CREW3013

3 Credits

Advanced Dramatic Writing

Using techniques learned in CREW2255 Playwriting and Dramatic Structure or THEAH2255 Playwriting and Dramatic Structure, students will complete a one-act play or one-person show over the course of the semester. Open readings of selected scenes will close the semester. Prerequisite: CREW1001 Introduction to Creative Writing (for creative writing majors) or THEAH2255 Playwriting and Dramatic Structure (for theater arts majors).

CREW3017

3 Credits

Advanced Creative Nonfiction: It's All About Me

In this workshop students will focus on telling their own stories. What is the difference between memoir and autobiography? What are the tools a writer can employ when writing a memoir, and how does a writer develop the "I" as a character? Who is telling this story and what is the role of time and vantage point? Students will be reading memoirs from a wide variety of authors and using structured writing prompts to enter into the story they feel they have to tell. The class should be prepared for an intensive writing workshop, reading and class discussion.

CREW3020

3 Credits

Reading as Writers

An examination of craft and form in literary masterworks, both classic and contemporary, from the practitioner's perspective. Texts will be analyzed to answer the questions, "How does it work?"; "What narrative techniques or approaches to characterization does the writer employ?"; "What are the works' stylistic elements?"; and "How can these elements be employed in new fiction?" Students will be expected to engage in discussions, write three analytical papers

and, using one of the texts studied as a model, generate a short work of fiction. Prerequisite: Any CREW2000-level course.

CREW3023

3 Credits

Special Topics: Telling the Truth

Creative nonfiction walks the line between truth and fiction; in this class, students will write literary nonfiction essays that craft a narrative from that most unreliable source: their own subjective memory. They will embrace the unreliability of their narrations and close read texts that shed light on how to build a character from what Joan Didion calls: "The Implacable I." Prerequisite: CREW1001 Introduction to Creative Writing.

CREW3030

3 Credits

Fiction Workshop: Fever Dreams — Pathological Perspectives

Pathological Perspectives is a special-topics creative writing workshop. Students will examine the ways in which atypical states of consciousness — madness, neurological disorders, dissociation and other unreliable and unusual perceptions of the world are crafted in classic and contemporary fiction and creative nonfiction, and apply the narrative processes discovered in these texts to their own writing.

CREW3046

3 Credits

Getting Published

In this class, students will study the best practices for submitting creative work to literary magazines, agents and editors. They will work with visiting publishing professionals to better understand the current literary landscape and to learn the best strategies for getting published. Students will also have the opportunity to practice editing skills that are necessary in the publishing profession.

CREW3047

3 Credits

Literary Publishing

This hands-on introduction to the world of independent publishing will explore all aspects of the editing, production and publication of a literary journal, as well as give students a broad overview of the literary marketplace. Students will gain practical experience with design, editing, acquisitions, art, proofing, digital publishing, distribution and marketing. The class will combine approaches, moving between small group labs and seminar styles of learning. This course is offered in conjunction with *The Literary Review*, FDU's international journal of contemporary literature. Prerequisite: CGD1313 Creative Imagery with Photoshop or CGD1314 Illustrator Graphics and Design or CREW1001 Introduction to Creative Writing. (Equivalent to CGD3047 Literary Publishing.)

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CREW3080

3 Credits

Music and Poetry

This course examines the relationship between poetry and music throughout history, while providing students the opportunity to practice writing both poetry and song lyrics as well as critical papers on various related topics. From the Homeric epics to the chorus of Greek tragedy, devotional songs in various traditions, to the ballads of Robert Burns, to the work of Bob Dylan, Bruce Springsteen, Joni Mitchell and Tupac, and to an exploration of the extraordinary success of "Hamilton," the class will study how language and music work together, how the oral tradition survives in these times, how and when poetry broke away from song and how and when they've come back together. The course's primary method will be the close reading of lyrics and poems, using the tools of poetry analysis to judge them; therefore, a good deal of the students' time will be spent mastering those techniques and listening to and reading great poetry and music. Note: Open to all students. No prerequisites.

CREW4001

3 Credits

Senior Writing Project I

In this capstone two-semester course for all creative writing majors, students will develop and write a significant literary work in their chosen genre: fiction, poetry, creative nonfiction or dramatic writing. Working closely with the class and individually with their mentors, students will research (when relevant) and complete a draft of their entire thesis.

CREW4002

3 Credits

Senior Writing Project II

This course will further develop the work of CREW4001 Senior Writing Project I as students rewrite, revise and edit their thesis into a final potentially publishable form.

CREW4004

3 Credits

The Novella

In this course, students will study the novella as a literary form and write an original, extended work of prose. Prerequisites: CREW1001 Introduction to Creative Writing and CREW2002 Creative Writing: Fiction.

CREW4498

3 Credits

Internship

Practical experience working in a business, government or a nonprofit setting or in the publication field, applying academic knowledge. Academic component includes weekly journals and semester-evaluative paper and frequent interaction with department mentor.

CREW4499

3 Credits

Internship

Practical experience working in a business, government or a nonprofit setting or in the publication field, applying academic knowledge; academic component includes weekly journals and semester-evaluative paper and frequent interaction with department mentor. Prerequisite: CREW4498 Internship.

ENGW0198

3 Credits

Fundamentals of Writing

A developmental writing course focusing on literacy skills necessary for academic success. Emphasis is on strategies for developing academic essays, reading-comprehension skills, basic writing process and understanding the conventions of Standard English.

ENGW1000

3 Credits

Introduction to Composition

This introductory course concentrates on the fundamental skills necessary for academic success. Students practice writing well-organized, sensible and grammatically sound expository prose. Particular emphasis is placed on cultivating effective processes for more thoughtful and developed writing, revising to achieve unity and coherence and self-directed editing and proofreading for clarity and appropriateness. Students also participate in peer review and become more critical readers. (Equivalent to ENWR1000 Introduction to Composition.)

ENGW1001

3 Credits

Composition I: Rhetoric and Inquiry

This course provides students with intensive study and practice in process-oriented writing, critical reading and rhetorical inquiry. Students engage expository texts in order to describe and evaluate the choices writers make and then apply that knowledge to their own compositions. Throughout the course, students give and receive feedback, revise their work and reflect on their growth as writers. (Equivalent to ENWR1001 Composition I: Rhetoric and Inquiry.)

ENGW1001 Honors

3 Credits

Composition I: Rhetoric and Inquiry, Honors

This course is an accelerated version of Composition I. It provides students with intensive study and practice in process-oriented writing, critical reading and rhetorical inquiry. Students engage expository texts in order to describe and evaluate the choices writers make and then apply that knowledge to their own compositions. Throughout the course, students give and receive feedback, revise their work and reflect on their growth as writers. Students enrolled in the honors section develop research projects.

ENGW1002

3 Credits

Composition II: Research and Argument

This course focuses on the study and practice of writing as research-based argument. As a means of arriving at the writing from committed stances, students learn to seek out, engage and interrogate a variety of sources. Students write in academic, professional and/or public forms, including academic essays and rhetorical analyses. Particular emphasis is placed on information literacy, source integration and appropriate documentation. (Equivalent to ENWR1002 Composition II: Research and Argument.)

ENGW1002 Honors

3 Credits

Composition II: Research and Argument, Honors

This course is an accelerated version of Composition II. The focus is on the study and practice of writing as research-based argument. As a means of arriving at the writing from committed stances, students learn to seek out, engage and interrogate a variety of sources. Students write in academic, professional and/or public forms, including academic essays and rhetorical analyses. Particular emphasis is placed on information literacy, source integration and appropriate documentation. In addition to completing advanced research projects, students in the honors section create conference proposals and prepare presentations on research completed that are delivered on Honors Research Day.

ENGW3001

3 Credits

Advanced Writing Workshop

Advanced principles of writing expository prose: focus on style, tone, organization, purpose and audience. Required for communication and writing concentrations. Prerequisites: ENGW1002 Composition II: Research and Argument and junior standing.
Fall, Spring

ENGW3022

3 Credits

Digital Rhetoric and Writing

This course will focus on the ways in which texts produced for online spaces (video games, blogs, podcasts, websites, etc.) draw on a combination of image, text, sound, color and video in order to communicate ideas. Topics will include access, ownership and identity as they relate to work produced in/for digital spaces. Students will be expected to both analyze and create digital texts. No advanced technical knowledge or special equipment is required for this course.

**For journalism courses, see
Communication Studies**

See pages 306–310.