ENGLISH COMPOSITION

ENGL 1010 English Composition I (3 Credits)
Workshop in expository writing: strategies of, and practice in, analytical reading and writing about texts. Fundamentals of grammar and syntax. Frequent assignments in writing summaries, analyses, comparisons of texts, and such other expository forms as narration, description, and argumentation. Emphasis on writing as a process: invention, revision, editing.

ENGL 1012 English Composition II: Seminar in Expository Writing (3 Credits)
Writing-intensive seminar focusing on a topic chosen by the instructor. Provides students with an opportunity to explore a particular subject in depth and further develop skills of critical thinking, research techniques, and clear expression necessary for academic writing. Students should take English *1012 [2] directly after completing English 1010 [1]. Topics include: The Fool in Literature; Reading the City; 1960s: Decade of Revolt; Novels of the Jazz Age; Cross-Cultural Writing and the Arts.

MATH/QUANTITATIVE REASONING

CISC 1001: Computing and Quantitative Reasoning (3 Credits)
Computers, programming, and their basis in quantitative reasoning. Information representation, base systems and numeric conversions between bases. The nature of algorithms; use of graphs to compare performance of algorithms. Designing and writing programs to solve mathematical problems. Feasibility and computability based on mathematical analysis. Drawing inferences from results. Computer and network security and privacy, including encryption techniques and lockout algorithms based on algebraic methods and mathematical logic.

CISC 1002/PHIL 2200: The Outer Limits of Reasoning (3 Credits)
Paradoxes and limitations arising in computer science, the physical sciences, and mathematics. Reasoning conundrums and paradoxes with an emphasis on examples from mathematics. Limitations of reason, logic, mathematics and computing. Reasoning about infinity. The inability to prove everything that is true. Problems that cannot be solved computationally in a reasonable amount of time. Unsolvable problems. The boundary between what can and cannot be known.

ECON 3400 Introduction to Economic and Business Statistics (4 Credits)
Descriptive statistics including measures of central tendency, dispersion, and skewness. Probability and theoretical probability distributions including the binomial function and the normal curve. Sampling, estimation, and test of hypothesis. Simple correlation and regression analysis. Applications from social sciences. This course is the same as Business 3400.

MATH 1021 Precalculus Mathematics A (2 Credits)
Preparation for calculus with more introductory material than Mathematics 1011. Mathematics 1021 and 1026 constitute a two-term sequence for students who are not prepared for Mathematics 1011 or who wish a review. Real numbers. Complex numbers. Graphs. Functions, especially linear and quadratic functions. Polynomials and rational functions. Introduction to logarithmic and exponential functions.

MATH 1011 Precalculus Mathematics (3 Credits)
Preparation for calculus. Trigonometry. The concept of function, including, linear and quadratic functions, composition of functions, polynomials and rational functions, exponential, logarithmic, trigonometric, and inverse trigonometric functions. Conic sections. Binomial theorem. Introduction to limit ideas. (Prerequisite: A minimum score of 70 on the ACCUPLACER College-Level Math test)

MATH 1201 Calculus I (4 Credits)
Mathematics 1201 is an introduction to calculus: limits and continuity; derivatives and integrals of algebraic, exponential, logarithmic, and trigonometric functions of one variable; methods of numerical approximation, and applications of the derivative to mathematics, physics, engineering, biology, chemistry, and other fields. (Prerequisite: Earned grade of C- or higher in Math 1011 or Math 1026; achieved a minimum score of 105 on the ACCUPLACER College-Level Math test)

MATH 1311: Thinking Mathematically (3 Credits)
Problem solving and applications of mathematical thinking in the real world and in the ideal world of mathematics. Elementary number theory and public key cryptography. Integers, rational numbers, real numbers and the sizes of various infinite sets. Additional topic chosen from: geometry, elementary topology, chaos and fractals, probability.

MATH 1501: Elements of Statistics with Applications (3 Credits)
Analysis and presentation of data. Abuses of statistics. Measures of central tendency; measures of variability. Hypothesis testing. Estimation. Tests of independence. Applications to various fields. Use of simple calculator required.

LIFE AND PHYSICAL SCIENCES

ANTH 1200: Human Origins (3 Credits)
Human origins and adaptations. Introduction to evolutionary mechanisms and processes, genetics, classification, human anatomy and fossils. Reconstructing human behavior by surveying the lifestyles and ecology of our close primate relatives.

BIOL 1010: Biology for Today's World (3 Credits)
Life, biology and science in today's world. Role of science. Physical structure, properties and principles that apply to all living things. Integration of biological science into daily events. Where life started and why it is what it is.

CHEM 1007: Chemistry in Modern Life: An Introduction for Non-Majors (3 Credits)
Study of basic concepts in chemistry and their implications in modern life. This course is not suitable for students majoring in science or interested in the health professions.

CHEM 1100 General Chemistry I (5 Credits)
Principles of chemistry. Emphasis on the facts, theories, and laboratory techniques needed for further courses in the sciences. Intended for students planning a career in any of the following: the physical, chemical, or biological sciences; engineering; geology; medicine; dentistry; pharmacy; physical therapy. *(Students may substitute **CHEM 1050** and CHEM 2050 in lieu of CHEM 1100. **CHEM 1050** and 2050 constitute a two-term sequence intended for students who are not prepared for CHEM 1100. CHEM 1050 does not count towards Pathways. **Students are placed in CHEM 1050 or CHEM 1100 based on their math placement**.)*

WORLD CULTURES & GLOBAL ISSUES

AFST 3135: Black Political Identity in a Transnational Context (3 Credits)
Foundational discourses of civil rights, protests and anticolonial struggles in the United States, Africa and the Caribbean between 1900-1960. Global intersections of the social, intellectual, and cultural transformations of African American, Afro-Caribbean and African politics between 1900-1960. Examinations of transnational dialogues on black consciousness. (Prerequisite: English 1010.)

ANTH 1105: Comparative Studies in Cultures and Transformation (3 Credits)
Multidisciplinary exploration of the cultures and history of at least two societies. Thematic emphasis. Themes drawn from issues such as colonization, gender, urbanization, social movements, race and ethnic relations, north/south/east-west dyads, religion, nationalism, geography, encounter, diasporic communities, core-periphery, modernity and modernization, globalization, and transnationalism. A minimum of two world areas chosen from Africa, Asia, the Caribbean, Latin America, the Middle East and the Pacific Islands. Comparison of selected cultural clusters and social themes.

CLAS 1110: Classical Cultures (3 Credits)
Introductory study of ancient cultures through close reading of a variety of texts; most sections will focus on Greece and Rome, but some may explore other classical traditions such as those of India, Mesopotamia or China. Attention to such questions as literary genre, material and performance contexts, gender, political institutions, religion, philosophy, models of culture and the creation of a classical tradition. Practice in close reading and communication by means of critical writing, class discussion and other methods, such as collaborative group work.

CLAS 3245: Comparative Identity Politics: Ancient Mediterranean and the Modern World (3 Credits)
Investigation of questions of the interactions between personal and group identities in ancient societies, including questions of race, ethnicity, sexualities, gender, and religious and political affiliations. Discussion of how ancient cultures such as Athens, Persia, Egypt, Rome, or Carthage dealt with persons whose identities were considered somehow transgressive or "other". Examination of how such solutions and rationalizations continue to affect discussion of these identities in modern societies. (Prerequisite: English 1010.)

ENGL 2009: Introduction to Literary Studies (3 Credits)
This course introduces the academic discipline of literary study, involving a threefold emphasis: (1) on the close reading of texts, attending to their sounds and structures, modes and genres; (2) on recognizing literature as a conversation between texts across space and time; and (3) on the history of literary critical methods, terms, and concepts. (Prerequisite: English 1012.)

HIST 3005: Shaping of the Modern World (3 Credits)
A history of modernity since 1500: from Europe's expansion and the emergence of the Atlantic world to a global society. Early modern societies, cultures, and state structures. Effects of trade, colonialism, and slavery. Enlightenment and revolutions. Comparative industrialization and urbanization. Nationalism, internationalism, and totalitarianism. Demography, environment, and gender.

PRLS 3105: Puerto Rican and Latin@ Cultural Formations (3 Credits)
Cultural antecedents and developmental process of present Puerto Rican and Latin@ cultures. Indigenous, European, and African origins. Folklore and cultural persistence. Critical perspectives on cultural formations related to colonialism, economics, race, gender, and transnational identities.

U.S. EXPERIENCE IN ITS DIVERSITY

AMST 1010: American Identities (3 Credits)
Examination of diverse American identities and the social and cultural histories that have shaped these identities. Exploration of the ways identities have been formed by race, gender, ethnicity, sexuality, class and other factors of difference, as well as the ways individuals and groups challenge or transcend such differences. Students will examine their own and others identities, and the processes by which identities are made and re-made.

ANTH 3135: The American Urban Experience (3 Credits)
Study of the diversity of American urban life and modes of analyzing sociocultural scenes, communities, and urban institutions.

ENGL 2001: Literature, Ethnicity, and Immigration (3 Credits)
Exploration of ways in which ethnicity, migration, and immigration are represented in literature. Development of students' understanding of aesthetics of literature and acquaintance with new approaches to reading. Topics include literary conceptions of national belonging, ethnic identity, home and family, immigration, memory, and diaspora. (Prerequisite: English 1010.)

HIST 3401: American Pluralism to 1877 (3 Credits)
The history of the United States from the pre-contact period through Reconstruction, with an emphasis on diversity in the American experience as seen in race, class, gender, ethnicity, environment, politics, religion, culture, language, and more.

JUST 3485: Jews of New York (3 Credits)
Local history and structure of New York's Jewish communities from the seventeenth century to the present. Interactions with other ethnic, immigrant and religious communities in the city and influences upon New York's political, cultural and economic life.

POLS 1230: People, Power, and Politics (3 Credits)
Introduction to social science concepts through the study of power, authority, and social organization in U.S. society. Emphasis on the interaction of government and civil society. Readings focus on primary documents concerning the role of social class, race, and gender in the construction of social and political inequality.

PRLS 1001: Intro to Puerto Rican & Latino Studies (3 Credits)
Survey of Puerto Rican and Latino studies. Pertinent themes in Puerto Rican and Latino history, culture, literature, contemporary society, and politics within the Caribbean-U.S.A. context. Impact of the United States economic policies on the island and the causes of Puerto Rican and Latino migration to urban centers on the continent. Puerto Ricans and other Latinos in New York City.

SPLC 3000: LGBTQ Youth in Educational Contexts (3 Credits)
Critical and comprehensive study of the social, cultural, and community factors that contribute to the psychological, sociocultural, educational, and holistic well-being, mental health, and resiliency in LGBTQ youth, from birth to emerging adulthood. Examination of the role of counseling, psychology, and educational fields in promoting resiliency and well-being of LGBTQ youth within educational and community contexts. Consideration of special challenges, risk and protective factors, and coping resources relevant to this population in education and community contexts. (Prerequisite: Permission of chair or program coordinator.)

SEED 1001: Critical Issues in US Education (3 Credits)
All levels of public education in the United States today have become the focus for often competing political, economic, social and cultural visions of how and why we should educate the nation's youth. This course offers students the opportunity to become knowledgeable about critical issues in American education and the controversies surrounding them, while considering the historical, political, sociological and economic dimensions of each. Among the issues the course will address are a) the purpose of public education in a democracy; b) the private/public split in education, with a focus on home schooling, charters, parochial, and private K-20 schools; c) who determines the school curriculum; d) mayoral control, the value of high-stakes testing, and outcomes based approaches to education; e) the way public K-20 public schools are funded; f) technology's impact on education with a focus on online education; g) the role of unions and tenure in schools and in the teaching profession; h) the challenge to public schools of poverty, diversity, and equity and i) sexuality, gender and sex education.

WGST 1001 Introduction to Women's Studies: Sex, Gender, and Power (3 Credits)
An interdisciplinary introduction to the study of women. From the first and second waves of feminism to grrl power's cyberactivism and empowerment through femininity. Material and social constructions of sex and gender. Power and dynamics, which drive and structure women's lives. Expressions and representations of women's experiences.

CREATIVE EXPRESSION

ARTD 1010: Art: Its History & Meaning (3 Credits)
Introduction to art emphasizing visual literacy in an historical context. Major works of art and architecture drawn from a wide range of world cultures and periods from ancient times to the present will be explored. Texts, readings, and syllabi may vary somewhat among sections.

MUSC 1300: Music: Its Language, History, & Culture (3 Credits)
Introduction to music through the study of works representing different times, places, and peoples. The grammar, syntax, and communicative purposes of music; the musical dialects of different cultures and how these have changed over time. Recorded, concert, and classroom performances.

MUSC 1400: Fundamentals of Music (3 Credits)
Introduction to music beginning with notation, reading in treble and bass clefs, scale constructions, intervals, simple chord progressions, basic cadences, elementary ear training, and use of a musical score in following performances and recordings.

INDIVIDUAL & SOCIETY

CASD 1707 Public Speaking (3 Credits)
Rhetorical principles. Practice in the technique of speech construction and delivery. Manuscript and extemporaneous delivery of several types of speeches.

CLAS 3200/RELG 3030: Heroes, Gods, Monsters: Classical Mythologies (3 Credits)
Classical myths and modern theories of mythology. Readings in English translation from the ancient sources. (Prerequisite: English 1010.)

PHIL 2101: Intro to the Problems of Philosophy (3 Credits)
Survey of basic philosophical problems and different solutions proposed by philosophers. Such topics as the nature and scope of knowledge, meaning and verification, the existence of God, determinism and free will, the mind-body problem, and the nature of moral judgments.

SEED 2001: Historical, Philosophical, and Cultural Foundations of Education (3 Credits)
Study of teaching and learning with an emphasis on the urban context, through philosophical, historical, and cultural perspectives. Relation of significant educational movements, philosophies, and teaching practices for all students, including students with special needs and English language learners, from birth through adolescence. Opportunities through class discussion, portfolio preparation, and field experiences (20 hours) for reflection on and analysis of interactions between school and community, teachers' roles, and issues of diversity, social justice and local, state and national education policies and mandates. This course is the same as CBSE 2001. (Prerequisite: English 1010.)

SOCY 1200: Sociology of Sport (3 Credits)
Sport in society. Race, ethnicity, class, gender, sexuality, power and inequality, socialization, social conflict, social solidarity in the context of contemporary sports in the US and globally. Analysis of current issues. Critical view of sports in media, education, politics. Collaborative projects.

SCIENTIFIC WORLD

ANTH 2205: Forensic Anthropology (3 Credits)
The techniques of forensic identification as applied to medicolegal problems. Methods, procedures, and illustrative case studies pertinent to the reconstruction of biological profiles, and cause and manner of death. Hands-on work in the computer lab is required.

EESC 1010: The Dynamic Earth (3 Credits)
Introduction to Earth science; NYC-focused, thematic examples of interaction between Earth's spheres, including plate tectonics; deep time; Earth materials and processes as resources and hazards; human interactions with the Earth system.

PHYS 1005: The Simple Laws That Govern the Universe (3 credits)
The development of physics, in historical context. Applications to everyday life. Laws of universal gravitation and the conservation of energy. Examination of a topic in modern physics in which these classical concepts are transformed, extended, and/or applied. Satisfies Pathways Flexible Core Scientific World requirement.