Please note the following:

1. These course listings are subject to change and cancellation without notice.
2. Students are permitted to enroll in a maximum of 7 units.
3. Students must meet all prerequisites listed in order to receive permission to enroll in a course.
4. If a course is full, it will be indicated in the course description.
5. International students must register for at least 6 units to qualify for F-1 visa.

NON-CREDIT WORKSHOP

PERSONAL NARRATIVE: WRITING THE COLLEGE ADMISSIONS ESSAY
This workshop-based course explores and develops different ways of representing oneself in the transition from high school to college. First and foremost, the course will address strategies for writing personal narratives, specifically personal statements in response to the 2018-2019 Common Application prompts. Students will become familiar with an academic-oriented reader, will develop useful revision strategies, and will practice structuring their essays within given word-limits. This is a noncredit workshop, so no grades will be issued. Limited space is available, and attendance at all four sessions is required. Be sure to indicate your preferred workshop option time on your registration form. Enrolling in this workshop does not count towards your maximum 7 units.
Prerequisite: None

Session A
U00 100 (0 units)
Four required sessions (all Saturdays): June 16, June 23, June 30, July 7
Option 1: 10:00a-12:00p
Option 2: 12:00p-2:00p cancelled
Option 3: 3:00p-5:00p

AFRICAN AND AFRICAN AMERICAN STUDIES

IMAGINING AND CREATING AFRICA: YOUTH, CULTURE, AND CHANGE
The goal of this course is to provide a glimpse into how youth reshape African society. Whether in North Africa with the Arab Spring, in West Africa with university strikes, or in East Africa through a linguistic full bloom, youth have been shaping social responses to societies for a long period. In this course, we will study social structures, including churches, NGOs, developmental agencies as well as learn about examples of Muslim youth movements, and the global civil society. The course will also explore how youth impact cultural movements in Africa and how they influence the world. In particular, we will examine Hip-Hop movements, sports, and global youth culture developments that center on fashion, dress, dance, and new technologies. By the end of the course, students will have enriched ideas about youth in Africa and ways to provide more realistic comparisons to their counterparts in the United States.
Prerequisite: None

Session A
L90 178 (3 units)
MTuWThF 9:00a-10:45a

ANTHROPOLOGY

INTRODUCTION TO HUMAN EVOLUTION
This course is a survey of the fossil evidence for human evolution. The course includes discussion of the genetics of human variation and evolution, the study of living nonhuman primates, and the fossil record and its interpretation. An evolutionary perspective is used in an attempt to understand modern humans from the naturalistic point of view. This course may include off-campus field trips.
Prerequisite: None

Session A
L48 150A (3 units)
MTuWThF 9:00a-10:45a

INTRODUCTION TO CULTURAL ANTHROPOLOGY
This course covers the basic concepts and theoretical principles of sociocultural anthropology. Course material is presented from Asia, Africa, Melanesia, Latin America, and North America. This course may include off-campus field trips.
Prerequisite: None

Session A
L48 160B (3 units)
MTuWThF 1:00p-2:45p
BIOLOGY

INTRODUCTION TO PROBLEM-BASED LEARNING IN BIOLOGY
Have you ever wondered how doctors and scientists diagnose and discover cures to modern human afflictions? In this course, students will be given a general topic and break up into small groups to research questions related to that topic. We will all report back to the group each week with what we’ve found, and provide each other with interesting facts about our topic, as well as hints for conducting inquiry-based research. The instructor will guide students on how to conduct in-depth research on problems of current biological importance using a variety of web-based search engines and library tools, with a strong emphasis on learning how to read and interpret primary research articles. Weekly topics from previous years have included psychological disorders, genetics of sleep regulation, reproductive therapies, alternative medicine, and human evolution. Students should have broad interests and background in general biology and chemistry and should be curious, exploratory, interactive, and willing to try an active, nontraditional educational experience. There are no exams, so grades will be based on class participation, weekly group presentations, written outlines, and a final iSearch paper on a topic of their choice.

Prerequisite: high school honors or AP biology

Session A
L41 112 (3 units)
MWF 9:00a-12:00p

BIOLOGY OF THE BRAIN
This course is for students who wish to learn about the biology of the nervous system, and the scientific process of understanding how it works. Biology of the Brain will include lecture, discussion, and analysis of cutting edge research, so active participation will be important. We will discuss the gross anatomy and cellular composition of the brain. We will discuss how the brain is organized to process sensory information such as vision and to generate motor activity. We will analyze how the brain develops, changes with experience to create memories, and recovers from injury. Along the way, we will discuss nervous system dysfunction a range of contexts such as Addiction, Alzheimer's Disease, and Parkinson's Disease. This course counts as a Natural Science and Mathematics (NSM) distribution requirement.

Prerequisite: high school honors or AP biology

Session A
L43 120 (3 units)
MTuWTh 3:00p-4:45p

GENERAL BIOLOGY I
First part of a two-semester rigorous introduction to basic biological principles and concepts. This course covers the molecular and cellular basis of life, bioenergetics, signal transduction, DNA and protein synthesis, and the function of whole organisms (physiology). Laboratories include traditional wet labs as well as inquiry-based, on-line labs.

Prerequisite: high school biology (preferably honors level) and AP chemistry

Session A
U29 101 (4 units)
MWF 6:00p-8:30p and TuTh 5:00p-9:00p

INTRODUCTION TO ANATOMY AND PHYSIOLOGY I (Lecture only)
This is the first of a two-semester sequence that examines all major organ systems in the human/mammalian body. The emphasis is on understanding normal function and processes at the gross, cellular, and molecular levels. The course also addresses pathology and disease. Course covers histology, bone, muscle, and nervous systems, including sensory function and the special senses.

Prerequisite: None

Session A
U29 3221 (3 units)
TuWTh 9:00a-12:00p

INTRODUCTION TO ANATOMY AND PHYSIOLOGY I (Lecture and lab)
This is the first of a two-semester sequence that examines all major organ systems in the human/mammalian body. The emphasis is on understanding normal function and processes at the gross, cellular, and molecular levels. The course also addresses pathology and disease. Course covers histology, bone, muscle, and nervous systems, including sensory function and the special senses.

Prerequisite: None

Session A
U29 322 (5 units)
TuWTh 9:00a-12:00p and TuWTh 5:30p-9:20p

CHEMISTRY

GENERAL CHEMISTRY I

Prerequisite: AP chemistry, honors or AP physics, and two years of high school mathematics (AP Calculus AB preferred)

Session A
L07 111A (3 units)
MTuWThF 9:00a-10:45a

GENERAL CHEMISTRY LABORATORY I
This course provides an introduction to basic laboratory techniques, the experimental method, and the presentation of scientific data, as well as direct experience with chemical principles and the properties and reactions of substances. The topics and experiments in this course complement the material covered in the Chem 111A lecture course.

**Prerequisite:** AP chemistry, honors or AP physics, and two years of high school mathematics (AP Calculus AB preferred)

**Session A**
L07 151 (2 units)
TuTh 1:00-2:45p/MWF 1:00-5:00p

### ECONOMICS

#### INTRODUCTION TO MICROECONOMICS
Determination of prices; distribution of national income; theory of production. For a thorough introduction to economics L11 1021 should also be taken, but is not required.

**Prerequisite:** None

**Session A**
L11 1011 (3 units)
MTuWThF 9:00a-10:45a

#### INTRODUCTION TO MACROECONOMICS
Business fluctuations: inflation, recession; monetary and fiscal policy; economic development. For a thorough introduction to economics L11 1011 should also be taken, but is not required.

**Prerequisite:** None

**Session A**
L11 1021 (3 units)
MTuWThF 1:00p-2:45p

### ENGLISH LITERATURE

#### INTRODUCTION TO READING AND WRITING ABOUT LITERATURE
Intro to Reading and Write about Literature is a discussion based, writing-intensive course. It focuses on analytical reading skills and on the principles of effective writing. Through weekly writing assignments and revision, students learn the importance of critical thinking and questioning that are required for the development of ideas and good, clear writing.

**Prerequisite:** None

**Session A**
L14 141S (3 units)
MTuWThF 3:00p-4:45p

#### TOPICS IN ENGLISH AND AMERICAN LITERATURE: BANNED BOOKS: FROM THE GIVER TO THE LORD OF THE FLIES
In this course we will read a number of Young Adult novels that have been banned and examine what leads to the banning of a book. Why are YA novels particular targets of censorship, and why does society attempt to sanitize narratives about adolescence? The novels we will cover, by Toni Morrison, Stephen Chbosky, William Golding, and Lois Lowry, among others, have been banned in the United States on political, religious, sexual, or social grounds. We will gain insight into the controversies these novels started and also consider the themes and questions raised by the texts and their moral implications. In written assignments and class discussion, we will explore what, if anything, these novels have in common and what they may contribute to the study of literature. Students will be asked to engage critically with the texts they encounter and to hone their close reading skills while also considering historical and cultural contexts of the novels. Readings: “The Lord of the Flies,” William Golding; “The Perks of Being a Wallflower,” Stephen Chbosky; “The Bluest Eye,” Toni Morrison; “The Giver,” Lois Lowry; “The House on Mango Street,” Sandra Cisneros.

**Prerequisite:** None

**Session A**
L14 245 (3 units)
MTuWThF 1:00p-2:45p

### DESIGN THINKING: HUMAN-CENTERED APPROACHES TO MAKING THE WORLD

This course provides an overview of approaches to design thinking: a process of identifying, creating, and implementing solutions. Through an experiential approach, students learn methods for understanding users’ needs, synthesizing complex information, identifying directives for design, generating ideas, prototyping, and communicating solutions. Methodologies will reflect multiple areas, including design, engineering, business, and anthropology. The class operates collaboratively tackling a locally relevant problem, such as active transportation or waste management. Students also explore the role of this process in business, organizations promoting social change, and education through readings, case studies, lectures, guest speakers, discussion, and written exercises.

No previous experience in design is required.

**Prerequisite:** None

**Session A**
U44 290 (3 units)
MTuWThF 3:00p-4:45p
LINGUISTICS

INTRODUCTION TO LINGUISTICS
Language is one of the fundamental capacities of the human species, and there are many interesting and meaningful ways in which it can be studied. This course explores the core components of linguistic theory: speech sounds (phonetics and phonology), word formation (morphology), sentence structure (syntax), and meaning (semantics). It also provides an overview of interdisciplinary ideas and research on how language is acquired and processed, its relation to the mind-brain and to society, and the question of whether the essential properties of language can be replicated outside the human mind (specifically, in chimpanzees or computer programs).

Prerequisite: None

Session A
L44 170D (3 units)
MTuWThF 1:00p-2:45p

MATHEMATICS

INTRODUCTION TO STATISTICS
Data collection: sampling and designing experiments. Data organization: data, tables, graphs, frequency distributions, numerical summarization of data, and consumer price index. Inference: elementary probability and hypothesis testing.

Prerequisite: None

Session A
L24 1011 (3 units)
MTuWThF 1:00p-2:45p

MATRIX ALGEBRA
Theory of matrices and vector spaces from a concrete, computational point of view. Topics: row reduction (pivot method), rank and dimension, determinants, eigenvalues and eigenvectors, and diagonalization of symmetrical matrices.

Prerequisite: AP Calculus BC with a B or better

Session A
L24 309 (3 units)
MTuWThF 9:00a-10:45a

MUSIC

HOW TO LISTEN TO POPULAR MUSIC
Learn to talk and write about popular music. We will consider all kinds of popular music: American and not, from the entire history of recorded sound. Issues of technology, the music industry, genre, musical form and style, gender, sexuality, and social class will all be considered. And we’ll learn to dance as well.

Coursework includes listening to and reading about music, writing in various online-friendly formats, and making short videos and podcasts.

Prerequisite: None

Session A
U24 1061 (1 unit)
MW 5:30-7:00p

PHILOSOPHY

BIOMEDICAL ETHICS
A critical examination, in light of contemporary moral disagreements and traditional ethical theories, of some of the moral issues arising out of medical practice and experimentation in our society. May include euthanasia, genetic engineering, abortion, medical malpractice, the allocation of medical resources, and the rights of the patient.

Prerequisite: None

Session A
L30 233F (3 units)
MTuWThF 1:00p-2:45p

PHYSICS

GENERAL PHYSICS I
First semester of a two-semester, calculus-based introductory physics sequence designed to expose students to the concepts, laws, and structure of physics. Topics include kinematics, Newton’s laws, energy, linear momentum, angular momentum, conservation laws, gravitational force, harmonic motion, wave motion and interference, sound, and special relativity. Five 2.75-hour lectures and two 3-hour lab sessions each week (all mandatory).

Prerequisite: AP Calculus AB with a grade of B or better

Session A
L31 117A (4 units)
MTuWThF 9:15a-12:00p and MW 1:30p-4:30p
PSYCHOLOGY

INTRODUCTION TO PSYCHOLOGY
Survey and analysis of concepts, research, and theory covering the areas of learning, memory, motivation, personality, social, abnormal, clinical, and biological psychology. Introduces the diversity of questions, areas, approaches, research, and theories that compose the study of mind and behavior.
Prerequisite: None

Session A
L33 100B (3 units)
MTuWThF 1:00-2:45p

SOCIOLOGY

Social Problems and Social Issues
Through a sociological lens, this course examines the causes and consequences of pressing contemporary social problems in the United States, including increasing poverty and inequality, "modern" racism and sexism, the crisis in health care (with a unique focus on the lack of adequate mental-health services), crime, incarceration and criminal justice, changing patterns of drug abuse, fragile family structures, globalization and assaults on human rights, and environmental degradation. We will also examine the empirical underpinnings on the basis of inequality focusing on the intersection of disadvantaged statuses related to race, social class, gender, ethnicity, and sexuality that heighten the risk for social problems and how these risks play out in American society. Through a research project, students will learn how innovative sociological paradigms (some of which have been created outside of the United States) can offer guidelines for successful intervention strategies. Briefings from a few agencies dealing directly with these problems will share perspectives on theoretical and applied work related to advocacy, justice, and interventions. This course is especially relevant for those interested in graduate work and career goals in health and medicine, social service, law, and public policy.
Prerequisite: None

Session A
L40 206A (3 units)
MTuWThF 3:00p-4:45p

WOMEN, GENDER, AND SEXUALITY STUDIES

Introduction to Women, Gender, and Sexuality Studies
This course will provide an introduction to the major and concepts in the interdisciplinary field of women, gender and sexuality. We will examine the meanings attached to terms such as "man," "woman," "gay," and "sex." Topics discussed may include the history of feminist movements, masculinity, biological frameworks for understanding gender, intimate violence, sexual identities, and intersectionality.
Prerequisite: None

Session A
L77 100B (3 units)
MTuWThF 11:00a-12:45p

YOGA

YOGA AND RELAXATION TECHNIQUES
Systematic introduction to the methods and theory of Hatha Yoga as a means of stretching, strengthening, energizing, and relaxing the body. This class focuses on breath work and poses as the foundation of Hatha Yoga practice supplemented by relaxation and visualization exercises. Students should wear comfortable clothing and bring a towel or mat. Related readings assigned. Participation requires steady commitment and physical dexterity. This course is available as Pass/Fail only.
Prerequisite: None

Session A
U31 120 (1 unit)
MW 5:30p-7:15p