Early College Scholars
2019 Summer Evening Course Listings

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.

2018 Session Dates:
- Section II: June 10-July 12
- Section III: June 10-August 2
- Section IV: July 15-August 15

Guide to Course Listings:

**ANCIENT CIVILIZATIONS OF THE NEW WORLD**
An examination of the Inca empire in Peru, and the Maya and Aztec empires in Mexico through the inquiry into the roots, development, form, and evolutionary history of pre-Colombian civilization in each region from its earliest times to the rise of the classic kingdoms. Examples of respective artistic accomplishments will be presented and discussed.

**Prerequisite:** None

Section III
L48 310C (3 units)
Tuition: $1,995

**ART**

**CONTEMPORARY COLLAGE**
Students will create a body of work using mixed media and collage materials to address a chosen theme inspired by their primary coursework or personal interests. We will learn to use principals of design and composition including line, shape, space, value, texture, color, and collage and explore traditional and contemporary art-making materials. We will consider the work of historical and contemporary artists in an effort to relate our current studio work to the greater context of art history and develop the vocabulary and framework to discuss, critique, and write about work created in the course. By the end of the semester, students will be able to speak with conviction about their layered and created compositions.

**Prerequisite:** None

Section III
U79 113 (3 units)
MW 5:30p-8:15p
Tuition: $1,995

**BIOLOGY**

**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

Section II
U29 101 (4 units)
MWF 6:00p-8:30p and TuTh 5:00p-9:00p
Tuition: $3,520; Lab fee: $275

**GENERAL BIOLOGY II**
Second semester of a two-semester sequence that provides a broad but rigorous introduction to basic biological principles and concepts. This course covers DNA technology and genomics, the genetic basis of development, the mechanisms of evolution, the evolutionary history of biological diversity, plant form and function, and ecology. Laboratoroies include traditional wet labs as well as inquiry-based on-line labs.

**Prerequisite:** AP biology and chemistry
COMMUNICATIONS

INTRODUCTION TO PUBLIC SPEAKING
Public speaking is a skill essential for success in most professional careers. The focus of this class is to develop the basic ability and confidence necessary to speak effectively in public. The presentation skills we will work on are proper diction, projection, breath control, effective use of the voice and body, writing to be heard not read, oral critiques, and informative and persuasive speaking. Critical listening and group work will also be emphasized.
Prerequisite: None

DANCE

BODY CONDITIONING
This course improves flexibility, alignment, muscle strength, and movement awareness through a combination of methods derived from yoga, Pilates-based work, and basic dance techniques. Includes comparison of breathing techniques in yoga and the Pilates method. Students should bring a mat and be prepared for rigorous work. This course is available Pass/Fail only.
Prerequisite: some dance/movement experience necessary

GEOGRAPHIC INFORMATION SYSTEMS

INTRODUCTION TO GIS
This course introduces students to the fundamental principles and applications of geographic information systems (GIS), their underlying geospatial science and spatial thinking. This problem-based course explores applications of GIS to spatial questions in the areas of social science, business, the humanities and earth sciences. Example topics include understanding spatial data types; map coordinate systems and projections; basic spatial data analysis; acquiring, editing, creating and managing geospatial data; and processing and visualizing data using GIS. This hands-on course works through problems using (mainly) ESRI ArcGIS software (including ArcMap and ArcCatalog), but other open source tools will also be introduced. Students who complete this course should be able to apply skills to think through a spatial problem and employ GIS tools to address it.
Prerequisite: None
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

Section IV
U24 1061 (1 unit)
MW 5:30-7:00p
Tuition: $665

PHILOSOPHY

ENVIRONMENTAL ETHICS
A general survey of current issues in environmental ethics, focusing on problems such as the obligation to future generations, protection of endangered species, animal rights, problems of energy and pollution, wilderness, global justice, and business obligations. Students will also learn some ethical and political theory

Prerequisite: None

Section III
U22 2350 (3 units)
MW 5:30-8:00pm
Tuition: $1,995