

Early College Scholars 2019 Summer Evening Course Listings

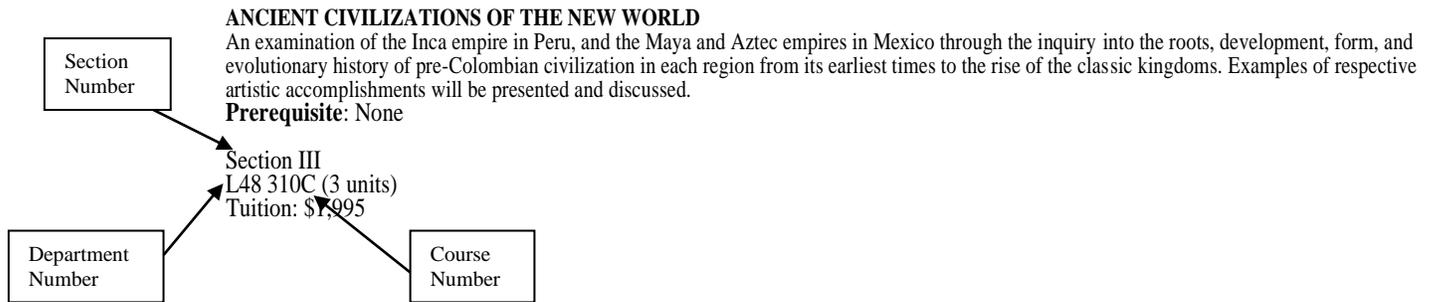
Please note the following:

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:



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. Laboratories include traditional wet labs as well as inquiry-based on-line labs.

Prerequisite: AP biology and chemistry

Section IV
U29 102 (4 units)
MWF 6:00p-8:30p and TuTh 5:00p-9:00p
Tuition: \$3,520; Lab fee: \$275

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

Section III
U48 2111 (3 units)
TuTh 6:00p-8:45p
Tuition: \$1,995

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

Section IV
U31 104 (1 unit)
MW 5:30-7:15pm
Tuition: \$665

BEGINNING TAP DANCE

Intro to basic tap steps and rhythms. Development of awareness of varied tap dance styles. No previous dance training required. This course is available Pass/Fail only. **MUST** bring tap shoes to class.

Prerequisite: None

Section II
U31 225 (1 unit)
MW 5:30-7:15pm
Tuition: \$665

Section IV
U31 225 (1 unit)
MW 5:30-7:15pm
Tuition: \$665

BEGINNING T'AI CHI CH'UAN

An introduction to the theory and practice of T'ai Chi Ch'uan. T'ai Chi Ch'uan is based on the Daoist theory of complementary opposites (yin/yang). The purpose of these exercises is to help students gain bodily strength, balance, flexibility, peace of mind, relaxation, and improved circulation. T'ai Chi Ch'uan may also be used for self-defense; it specializes in the neutralization of an attack by turning of the waist. Students should wear loose-fitting clothing and sneakers. Readings in Daoist texts, including taijiquan classics, are assigned. This course is available as Pass/Fail only.

Prerequisite: None

Section III
U31 115 (2 units)
TuTh 5:30p-7:30p
Tuition: \$1,330

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

Section III
U90 200 (3 units)

MW 5:00p-8:00p
Tuition \$1,995

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