

# Early College Scholars 2018 Summer Evening Course Listings

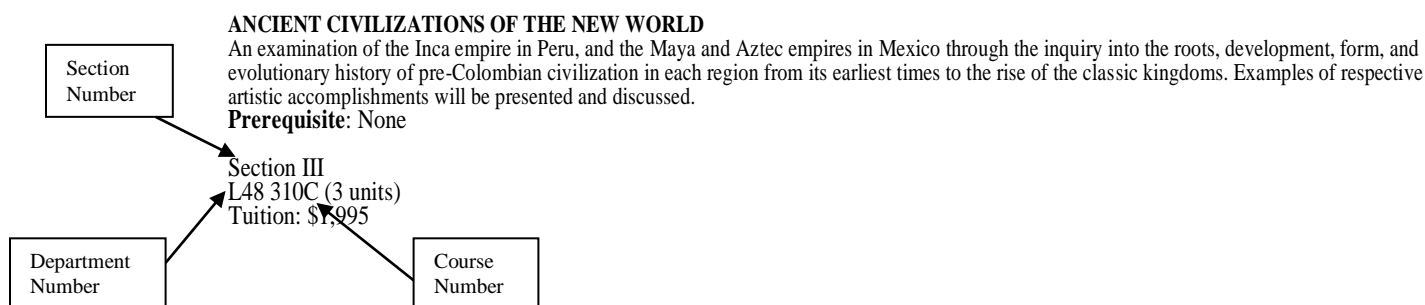
Please note the following:

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 I: May 21-June 8
- Section II: June 11-July 13
- Section III: June 11-August 3
- Section IV: July 16-August 16
- Section V: June 18-August 3

Guide to Course Listings:



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## ART

### **DRAWING**

This course teaches basic drawing skills and techniques by drawing from observation. Through sighting and measuring three-dimensional forms and creating the illusion of volume, space, and light on two-dimensional surfaces, students will develop visual language skills. We will work with a variety of black-and-white media to create compositions. Historic references will broaden the student's understanding of drawing as a visual language.

**Prerequisite:** None

Section III  
U79 101 (3 units)  
MW 5:30p-8:15p  
Tuition \$1,995

### **WATERCOLOR**

This course teaches students the fundamentals of the watercolor through the use of a small portable sketchbook and pan watercolor set. The class is designed for all skill levels, and no previous experience is necessary. The goal is to explore properties of color and value by creating a sketchbook of studies that explore technical processes of watercolor, such as washes, glazes, and resists, through a variety of subject matter such as still life, land/urbanscapes, self-portrait, and figure studies. We also investigate historical research and artistic vocabulary through class critiques and written papers.

**Prerequisite:** None

Section III  
U79 124 (3 units)  
MW 6:00p-8:45p  
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

### **MARKETING COMMUNICATIONS**

An introduction to advertising, public relations, and promotions and how they influence communications, journalism, and mass media. Students explore each of the "three sisters" of marketing and how they are used to build integrated marketing programs. Specific tools, including special events, direct mail, sponsorship, and press materials, will be discussed. In addition, the class will examine current and memorable marketing campaigns, view new technologies, and learn techniques and trends from professionals in the marketing field.

**Prerequisite:** None

Section C  
U48 260 (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.

**Prerequisite:** None

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

## **ENGLISH COMPOSITION**

### **CRITICAL AND RESEARCH WRITING**

This course teaches students to engage critically with scholarship, construct convincing arguments, and write persuasive research papers. We will study how other writers achieve these goals, then use a proven model of researched writing to write an argument and paper about a text of your own choosing that includes accurate use of primary and secondary sources. Concentrating on a single research project throughout the Section, attention will be given to revision

and organization, library research strategies, academic citation conventions, and electronic search engines and sources.

**Prerequisite:** AP English Comp

Section III  
U11 203 (3 units)  
TuTh 6:00p-8:45p  
Tuition \$1,995

## GEOGRAPHIC INFORMATION SYSTEMS

### **GIS BOOT CAMP**

This course introduces basic GIS concepts, digital cartography, and common geoprocessing tasks. The course includes hands-on exposure to GIS using ArcMap and other online tools. Students will gain experience in map creation, finding and downloading GIS datasets and conducting basic spatial analysis. If students are curious about GIS and want to know how this technology is used in many commercial and scientific disciplines every day, this course is for them.

**Prerequisite:** None

Section I  
U90 205 (1 unit)  
TuTh 5:00p-7:30p  
Tuition: \$665

### **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-7:30p  
Tuition \$1,995

### **ALGEBRA**

The basic rules for operation within the real number system, polynomials, linear and quadratic equations, and inequalities.

**Prerequisite:** one year of high school algebra

Section III  
U20 140 (3 units)  
TuTh 6:00p-8:45p  
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 II  
U24 1061 (1 unit)  
MW 5:30-7:00p  
Tuition: \$665

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

### **ROCK AND ROLL: THE FIRST FIFTY YEARS**

A musical/cultural history of rock and roll/rock from its beginnings through the 1990s. Through lectures, listening/reading, and archival films rock and roll will be traced from its roots through its varied incarnations as rockabilly, rock and roll, folk rock, rock, soul/funk, heavy metal, punk, new wave, rap/hip-hop, grunge and more. Course will emphasize both musical developments and cultural contexts. Work will include regular reading/listening assignments. No previous musical background is necessary.

**Prerequisite:** None

Section III  
U24 220 (3 units)

TuTh 7:00-9:45p  
Tuition \$1,995

## PHILOSOPHY

### **INTRODUCTION TO 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 6:00p-8:45p  
Tuition \$1,995

## YOGA AND T'AI CHI

### **YOGA AND RELAXATION TECHNIQUES**

Systematic introduction to the methods and theory of HathaYoga 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

Section I  
U31 120 (1 unit)  
MTuWTh 5:30p-7:00p  
Tuition: \$665

Section II  
U31 120 (1 unit)  
MW 5:30p-7:15p  
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-7:15p  
Tuition: \$1,330