

# Early College Scholars 2018 Summer Online Course Listings

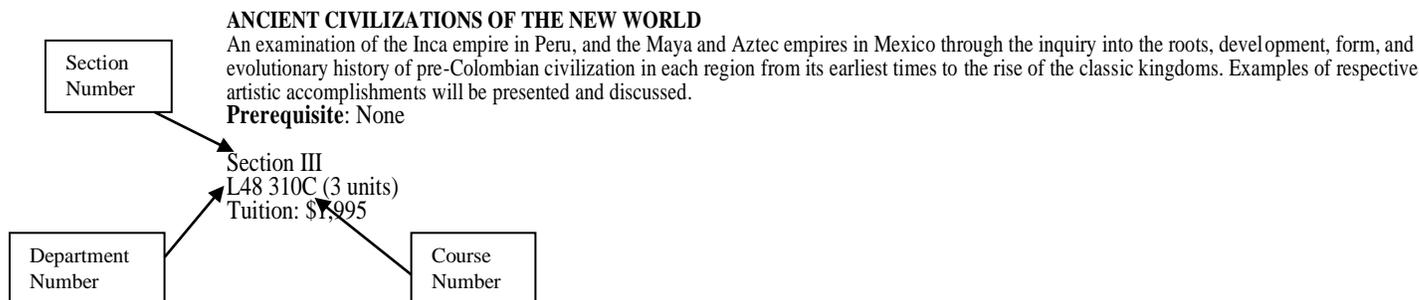
Please note the following:

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 Online Session Dates:

- June 11-August 3

Guide to Course Listings:



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## INTRODUCTION TO ENVIRONMENTAL STUDIES

This course examines the physical, chemical, and biological components of the environment. We will focus on the ecological principles that are the basis of environmental science. We will then explore how environmental studies incorporate concepts from politics, social sciences, economics, ethics, and philosophy. A central theme of the course is the effect of human societies on the environment, and how individual human and societal behavior can be modified to minimize the deleterious effects on the environment.

**Prerequisite:** None

Section III  
U29 209 (3 units)  
Tuition: \$1,995

## BEGINNING FRENCH I: AN AUDIOVISUAL APPROACH

This eight-week intensive is a fully online course for all students who are new to French or who need to review the basics. Perfect for those who wish to prepare for a trip to Paris, or to get a head start on their college language and culture requirements. Using the new online program developed by Vista Higher Learning, Portails, this course provides authentic materials integrated into a convenient and user-friendly format. The course keeps a sense of a close-knit classroom community through its chat-rooms and discussion boards, while students are able to work according to their schedules.

**Prerequisite:** None

Section III  
U12 106 (3 units)  
Tuition: \$1,995

## APPLIED STATISTICS

This is a first course in statistics with examples and applications from a variety of disciplines, and emphasis on the social, behavioral, and natural sciences. Students learn about key topics and statistical methods that may be applied to areas such as economics, mathematics, psychology, business, and health sciences, to name a few. The course provides a foundation in descriptive and inferential statistics, and in probability.

**Prerequisite:** college algebra or equivalent.

Session III  
U20 205 (3 units)  
Tuition: \$1,995

## INTRODUCTION TO STATISTICAL PROGRAMMING WITH R

In this online course, students learn how to work with data using the R package. R is a computer language that is often used for statistical analysis and computations. This course will include a short introduction to terms and concepts from descriptive statistics (mean, median and frequency, for example), but this is not a statistics course. No prior programming or statistics is required, although both/either would be helpful. This is a fully online course, but optional on-campus meetings will be held periodically for students who would like face-to-face interactions with the instructor and fellow students.

**Prerequisite:** college algebra or equivalent.

Session III  
U20 124 (3 units)  
Tuition: \$1,995

### **THE ART OF MATHEMATICAL THINKING**

Mathematics plays an important role in society, from engineering to architecture to the social and behavioral sciences. This fully online course exposes nonmath majors to fascinating sides of mathematics that are typically not discussed in standard math courses. Students learn effective thinking techniques with applications beyond standard mathematics and discover exciting ideas and new perspectives about the world. We look at questions like: What do rabbits, piano keyboards, and pine cones have to do with the Parthenon? What do secret codes and bar codes have to do with number systems and prime numbers? What are some uses and misuses of mathematics in everyday life? Why are coincidences not so amazing after all?

**Prerequisite:** None

Session III  
U20 210 (3 units)  
Tuition: \$1,995

### **BUSINESS ETHICS**

This course covers a wide range of business topics that have ethical elements and consequences. Students will examine various issues and consider what personal and corporate responsibility demands in various situations, as well as what the obligations of justice command. Issues that may be discussed include employment at will, whistleblowers, discrimination, harassment, affirmative action, and business responsibility toward consumers, the environment, and customers, and whether the sole moral obligation of businesses is to make money.

**Prerequisite:** None

Session III  
U22 234 (3 units)  
Tuition: \$1,995

### **ONLINE INTERMEDIATE SPANISH I**

This online approach to intermediate-level reading, speaking, and writing in Spanish includes an introduction to important cultural aspects of Latin American and Spanish culture. We will use the Internet, videos, and traditional textbooks to complete an intermediate level Spanish grammar review.

**Prerequisite:** two years of high school Spanish

Session III  
U27 250 (3 units)  
Tuition: \$1,995