

Physics I FOR BEGINNING AND EXPERIENCED TEACHERS

Designed to enable AP teachers to help students develop a deep understanding of physics content, and a focused application of knowledge through inquiry-based labs. Special attention will be given to activities that promote student understanding, and to the assessment of student written responses. Particular attention will be paid to developing new classroom material for Physics I (especially regarding mechanics) with significantly more depth than in the AP Physics B course. Although a non-calculus approach will be used, AP Physics C teachers would also benefit from the discussion of these topics, as this has been an area of weakness for students in the past on the AP Physics C Exam.

Units:	3	Course No.:	PHYS X452.1
Cost:	\$895 credit	Section:	181-EDJ-011

Statistics FOR BEGINNING AND EXPERIENCED TEACHERS

Instructional strategies and content for teaching AP classes, including statistical procedures and concepts in exploratory data analysis; linear and nonlinear regressions; student projects; use of technology; assessment practices; and design of studies using random selection and statistical inference. AP Exam preparation and grading, issues related to pacing, the internet, and implementing hands-on classroom activities are incorporated.

Units:	3	Course No.:	STAT X450
Cost:	\$895 credit	Section:	181-EDJ-014

WORLD LANGUAGES AND CULTURE

Spanish Literature and Culture FOR BEGINNING AND EXPERIENCED TEACHERS

Explore and analyze medieval, Golden Age and other works from the AP Spanish Literature and Culture list. Discuss and study various teaching strategies, develop a curricular unit and receive prepared materials to use in your classroom. You will also read, examine and score student essays from the most recent AP Exam.

Units:	3	Course No.:	SPN X412.3
Cost:	\$895 credit	Section:	181-EDJ-013

July 16–19, 2018

Includes:

4 days	8 a.m. to 4 p.m.	breakfast	lunch	parking	College Board materials
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2018 Discounts

Early Bird: Register before June 11, 2018, take \$50 off.

Group: Register 4 or more participants on the same purchase order, take \$70 off each registration.

Noncredit: Take \$100 off (District POs should be issued for the non-credit fee amount. Early Bird and Group discounts can be applied.)

Enroll online at www.extension.ucr.edu/ap (individual enrollments using VISA, MasterCard or Discover only). Enrollment form available for download at www.extension.ucr.edu/apsienrollmentform.

Make Your Next Move Earning Your Professional Certificate in Teaching Advanced Placement

You can apply the credit you earn for the AP Summer Institute to the elective requirements for the Professional Certificate in Teaching Advanced Placement. Both you and your students will benefit from this one-of-a-kind program, developed in collaboration with the College Board, and conveniently offered online.

Get Started Now and Build a Strong Foundation in AP with this Online Class

Foundations of Advanced Placement **SPRING 2018**

Learn about the foundations of AP History and the AP Program and what should be accomplished in AP classes. Understand the philosophy and process for AP exams, the relationship of honors and other classes that lead to an AP course, and the role of vertical teams in encouraging enrollment in AP classes. Discuss the legal and ethical considerations for offering AP programs and assess strategies for strengthening local AP programs by leveraging fiscal opportunities and your school's unique culture.

Visit www.extension.ucr.edu for course date, time and fee information.

Section: 174-EDJ-001 **Course No.:** EDUC X396.1

UCR Extension

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Scholarships of up to \$1500 are available

Answer YES to at least one of these questions, and you are eligible to apply.

1. Do you teach an underserved and/or under-represented population?

YES

2. Do you serve rural students?

YES

3. Are you planning to teach the redesigned subject—AP U.S. Government and Politics—in Fall 2018?

YES

If your school meets AP requirements, you are eligible for funding if you have not received a College Board APSI scholarship for the same subject within the last three years.

How to Apply for a Scholarship

Go to www.extension.ucr.edu/ap and click on the College Board Scholarships link. Teachers may apply for multiple scholarships, but can only be awarded one. Applications accepted online only through the College Board website, www.extension.ucr.edu/APSIScholarship. All scholarship applications for the 2018 AP Summer Institute are due by February 15, 2018.

Program Information

Prices and requirements are subject to change. For the most up-to-date information, contact us:

Phone: (951) 827-1661

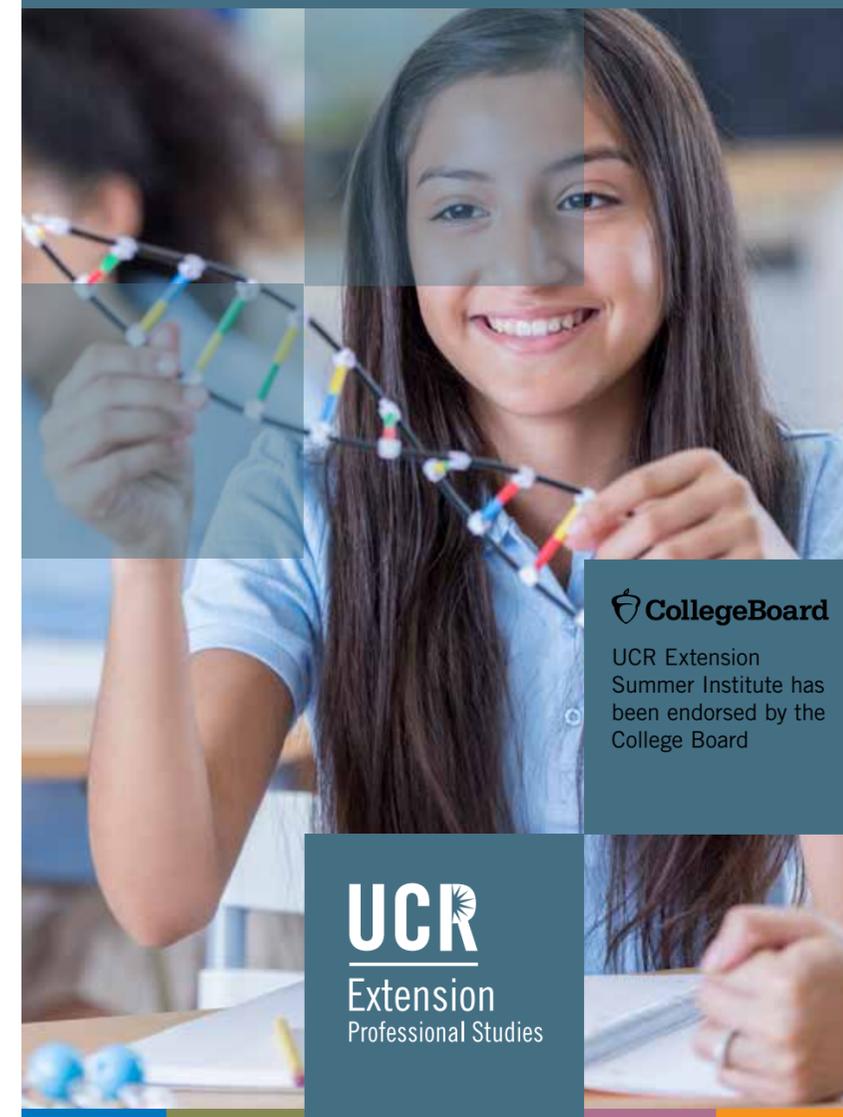
Email: credentials@ucx.ucr.edu

Web: www.extension.ucr.edu/ap



Advanced Placement® Summer Institute 2018

July 16–19 · UC Riverside Extension Center



UCR Extension Summer Institute has been endorsed by the College Board

UCR
Extension
Professional Studies

Your Road to Success Begins Here

Welcome to the 2018 AP® Summer Institute at UCR Extension.

AP teachers are passionate about their content areas. They help their students dive deeper into the subjects that they both love. If you believe in creating an academic bridge for students between high school and college, then teaching AP classes is for you.



Learn to guide your students through academically rigorous work, where they can develop the critical knowledge and skills needed for their college major and beyond. They gain confidence and have a rewarding experience, in addition to earning college credit and placement.

As a professional development opportunity, the AP Summer Institute is a place for you to learn about current best practices in college-level learning and exchange ideas and strategies with other AP colleagues. In just four intensive days, you will be ready to help your students achieve success in advanced academics!

ANNETTE WEBB, M.ED.
Director, Education and Credentials

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UC Riverside Extension Center

July 16–19 · 8 a.m.–4 p.m.

ENGLISH

English Language and Composition FOR BEGINNING TEACHERS ONLY

Discuss curriculum content and strategies for teaching AP Language Composition. Topics include: preparing students to take the AP Exam, concepts in rhetoric, and analyzing reasoning and expression of ideas in prose passages; expository, analytical and argumentative writing.

Units:	3	Course No.:	ENGL X410
Cost:	\$895 credit	Section:	181-EDJ-006

English Literature and Composition FOR BEGINNING TEACHERS ONLY

Methods of teaching literature and composition. Examination of content, methods, focus, and assessment of the AP Examination. Ways to use poetic devices and character analysis to analyze literary texts.

Units:	3	Course No.:	ENGL X410.5
Cost:	\$895 credit	Section:	181-EDJ-007

HISTORY AND SOCIAL SCIENCES

Art History FOR BEGINNING AND EXPERIENCED TEACHERS

Art topics reflect the following periods: ancient through medieval, Italian Renaissance, Baroque, Rococo, Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, art of the Americas to 1900 and art of the 20th century.

Units:	3	Course No.:	AHS X450
Cost:	\$895 credit	Section:	181-EDJ-001

European History FOR BEGINNING AND EXPERIENCED TEACHERS

Reviews the entire AP European History content from 1450 to the present, and covers: how to design and teach European History; selection of textbooks and supplementary materials; how to prepare students to take the AP Examination. Curriculum design is guided by the new framework.

Units:	3	Course No.:	HIST X475
Cost:	\$895 credit	Section:	181-EDJ-008

Human Geography FOR BEGINNING AND EXPERIENCED TEACHERS

Review AP Human Geography course content, discuss teaching techniques and strategies, explore resources, and review the AP syllabus, auditing, and AP exam.

Units:	3	Course No.:	GEO X450
Cost:	\$895 credit	Section:	181-EDJ-009

Macroeconomics FOR BEGINNING AND EXPERIENCED TEACHERS

Curriculum content, strategies, techniques and materials for teaching AP Macroeconomics. Instruction includes methods to improve students' performance on the AP Exam, ways to develop or update a course syllabus and examination of currently available resources for teaching AP Macroeconomics.

Units:	3	Course No.:	ECON X475
Cost:	\$895 credit	Section:	181-EDJ-010

Psychology FOR BEGINNING AND EXPERIENCED TEACHERS

An introduction to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, you will explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. You will employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

Units:	3	Course No.:	PSYC X458
Cost:	\$895 credit	Section:	181-EDJ-012

U.S. Government and Politics FOR BEGINNING AND EXPERIENCED TEACHERS **REDESIGN**

Content and methods for teaching AP American Government, updates participants on government content and the American political system and addresses the nature of American politics. Grading rubrics and methods for building a successful AP program are presented.

Units:	3	Course No.:	POSC X490
Cost:	\$895 credit	Section:	181-EDJ-015

U.S. History FOR BEGINNING AND EXPERIENCED TEACHERS

Methods for teaching AP U.S. History through both a chronological and thematic approach from colonial America to the present. Instructional practices, integration of technology, grading rubrics and methods for building an AP program are presented. The AP Exam is discussed.

Units:	3	Course No.:	HIST X475.5
Cost:	\$895 credit	Section:	181-EDJ-016

World History FOR BEGINNING AND EXPERIENCED TEACHERS

Content and methods for teaching AP World History. Discussion includes appropriate instructional practices and methods for integrating technology into the curriculum, grading rubrics and methods for building a successful AP program are presented.

Units:	3	Course No.:	HIST X475.7
Cost:	\$895 credit	Section:	181-EDJ-017

STEM

Biology FOR BEGINNING AND EXPERIENCED TEACHERS

Curriculum content, strategies, criteria, materials, the required labs and methods for using biotechnology, probeware, and computers. Discusses molecules, cells, heredity, evolution, organisms, and population. Planning and teaching methods for an effective AP class and the AP Exams are discussed.

Units:	3	Course No.:	BIOL X403.5
Cost:	\$925 credit	Section:	181-EDJ-002

Calculus AB FOR BEGINNING AND EXPERIENCED TEACHERS

Explore the new Understanding by Design structure, making mathematical practices directly aligned to demonstrate learning objectives. Discuss the six Mathematical Practices for AP Calculus (MPACs), and learning about new topics added to the AP Calculus AB program, including L'Hospital's Rule. Review the AP Calculus Exam format, new distribution of questions, and relative timing.

Units:	3	Course No.:	MATH X435.01
Cost:	\$895 credit	Section:	181-EDJ-003

Chemistry FOR BEGINNING AND EXPERIENCED TEACHERS

Chemistry principles appropriate for introductory college chemistry (AP level) are reviewed and discussed in terms of how to enhance student understanding and affect high AP Examination performance. You will examine important features of the required curriculum and the experimental laboratory base that supports it. The AP Chemistry Examination and how it is scored are discussed through the analysis of past exams and typical student work.

Units:	3	Course No.:	CHEM X450
Cost:	\$925 credit	Section:	181-EDJ-004

Computer Science Principles FOR BEGINNING AND EXPERIENCED TEACHERS

The Computer Science Principles course introduces students to the foundation concepts of computer science, and challenges them to explore how computing and technology can impact the world. Explore the major areas of study organized around Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, and Global Impact. Discuss the learning objectives which will be the targets of assessment for the AP course.

Units:	3	Course No.:	CS X428.05
Cost:	\$895 credit	Section:	181-EDJ-005