



SET BIGGER GOALS

DIVE IN HEADFIRST

SPEAK UP AND SPEAK OUT

WORK SIDE-BY-SIDE

Challenge Yourself Challenge Your Students



The AP Summer Institute is an intensive, four-day experience. Are you ready for the challenge?

UCR

Extension
Professional Studies

ADVANCED PLACEMENT PROGRAM®

SUMMER INSTITUTE 2017

JUNE 26-29 Palm Desert • JULY 17-20 Riverside

A Note From the Director



Welcome to the 2017 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

AP Summer Institute 2017 Discounts

Early Bird

Palm Desert: before
May 22, 2017 take \$50 off

Riverside: before June 12, 2017
take \$50 off

Noncredit

Take \$100 off (District POs should be issued for the noncredit fee amount. Early Bird discount can be applied.)

Enroll in the Institute

Enroll online for the 2017 AP Summer Institute at: www.extension.ucr.edu/AP (individual enrollments using VISA, MasterCard or Discover only.)

For group enrollments or to pay by check or purchase order, complete the Enrollment Form and mail to UCR Extension. Purchase Orders can be faxed to Student Services at (951) 827-7273.

To enroll as a College Board Scholarship Recipient, please mail or fax the Enrollment Form with a copy of your Award Notification and Letter of Commitment to Student Services at 1200 University Ave., Riverside, CA 92507, or call Student Services at (951) 827-4105.

The institute is 4 days long, meets from 8 a.m. to 4 p.m., and includes breakfast, lunch, College Board materials and parking.

This AP Summer Institute has been endorsed by



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MIDDLE SCHOOL TEACHERS

Pre-AP English

3 UNITS

For Beginning and Experienced Teachers

Strategies for preparing students for college preparatory and AP courses in English, approaches that support an understanding of English literature and language and techniques that encourage asking questions, drawing inferences and critical analysis/assessment.

Thomas Swords, M.A., leads AP and Pre-AP English sessions at AP workshops throughout the U.S., is a certified mentor teacher, and a regular presenter at AP Conferences.

EDUC X396.6 Fee: \$845 credit Section: 171-EDJ-007

Macroeconomics

3 UNITS

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.

Julie Meek, M.A., Economics Education, Teacher, Plano East Senior High School, Texas, has taught AP Macroeconomics since 2003, has been an Exam Grader since 2007, a Table Leader for the past four years, and is an experienced APSI presenter.

ECON X475 Fee: \$845 credit Section: 171-EDJ-015

ENGLISH

English Language and Composition

3 UNITS

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.

Kimberleigh Reifle, M.A., has been working with honors and Pre-AP middle school students for 21 years, and is currently teaching AP Language and AP Literature to high school students. She has presented at numerous institutes, including the AP National Conference.

EDUC X410 Fee: \$845 credit Section: 171-EDJ-012

English Literature and Composition

3 UNITS

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.

Skip Nicholson, B.A., was English Department Head at South Pasadena High School, and teaches in UCR's online Advanced Placement Professional Certificate program.

ENGL X410.5 Fee: \$845 credit Section: 171-EDJ-013

HISTORY & SOCIAL SCIENCES

European History

3 UNITS

For Beginning Teachers ONLY

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.

Kenneth LeSage, M.A., Social Studies Teacher, Lewis-Palmer High School, Colorado Springs, has taught AP European History for 18 years, been a grader for 15 years, and served as a Table Leader and Sample Essay Selector.

HIST X475 Fee: \$845 credit Section: 171-EDJ-014

Psychology

3 UNITS

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.

Sean Mahoney, M.A., Educational Leadership, Teacher, AP Psychology and Economics, Warren Township High School, Burnee, Illinois, has been an AP Reader, Presenter and Team Leader.

PSYC X458 Fee: \$845 credit Section: 171-EDJ-016

**Pending UC Approval*

U.S. Government and Politics

3 UNITS

For Beginning and Experienced Teachers

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.

Katherine Piper, M.A., Education, Teacher, Bellevue Public Schools, Washington, has been teaching AP U.S. Government and Politics for more than 10 years, served as a teacher designer of a project-based curriculum for the course, and is a National Faculty member for Buck Institute for Education.

POSC X490 Fee: \$845 credit Section: 171-EDJ-017

U.S. History

3 UNITS

For Beginning Teachers ONLY

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.

Matthew J. Ellington, B.A., U.S. History, teaches AP U.S. History, presents at both Western Region and National AP Conferences has been a reader for the U.S. History Exam for more than 15 years.

HIST X475.5 Fee: \$845 credit Section: 171-EDJ-018

STEM

Biology

3 UNITS

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.

Maureen Jimenez, M.Ed., Teacher, Corona-Norco Unified School District, has taught AP Biology for 18 years, is an AP Exam Grader, Examination Reader, Table Leader, Question Leader and part of the Leadership Team.

BIOL X403.5 **Fee: \$875 credit** **Section: 171-EDJ-008**

Calculus AB

3 UNITS

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 learn 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.

Connie Rigney, M.A., has taught AP Calculus for more than 31 years, been a Reader and Table Leader since 1995, and developed One-Day Calculus Workshops.

MATH X435.01 **Fee: \$845 credit** **Section: 171-EDJ-009**

Computer Science Principles

3 UNITS

For Beginning and Experienced Teachers

The new 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.

Arthur Lopez, M.A., is a curriculum writer for the College Board and pilot instructor for AP Computer Science Principles, Sweetwater Union High School District.

CS X428.05 **Fee: \$845 credit** **Section: 171-EDJ-010**

For Beginning and Experienced Teachers

Charles A. Powell, Jr., M.A., Secondary Science Education, Teacher, Green Mountain High School, has 25 years of experience teaching Physics, AP Physics, Earth Science, AP Computer Science, Robotics and Engineering. He has also been a STEM Academy Leader, AP Reader and Presenter. Mr. Powell was the Colorado Technology Educator of the Year for 2016.

CS X428.05 **Fee: \$845 credit** **Section: 171-EDJ-021**

Physics I

3 UNITS

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. An overview of the AP Physics I Curriculum Framework will be explored, with an emphasis on preparing new teachers for the audit and focus on inquiry-based pedagogies. Special attention will be given to activities that promote student understanding, and to the assessment of student written responses. New sample multiple-choice and free response question items will also be discussed. 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.

Joseph N. Mancino, M.A., Education, Physics Teacher, Windsor High School, Connecticut and Consultant, Mass Insight Education, has served as both a mentor teacher and cooperating teacher, and been an AP Physics Reader and Writer.

PHYS X452.1 **Fee: \$845 credit** **Section: 171-EDJ-011**

WORLD LANGUAGES & CULTURE

Spanish Language and Culture

3 UNITS

For Beginning and Experienced Teachers

Curriculum content, methods and materials for AP teachers of Spanish Language and Culture. The AP Exam, how it is scored and how to prepare students to take it are discussed through an analysis of student work. Many materials written in Spanish, including newspapers, magazines and modern literature are studied.

Julio Cabral, B.A., Spanish, Teacher, Hueneme High School, Oxnard, has more than 20 years of experience teaching standard, honor and AP high school students. Mr. Cabral has served as the Department Chair of the ELD Department, is currently developing a Dual Immersion Program, been a member of the Leadership Team, and is an experienced AP Reader.

SPN X412 **Fee: \$845 credit** **Section: 171-EDJ-019**

Spanish Literature and Culture

3 UNITS

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.

Ramon Lopez, B.A., presents at College Board one-day and weeklong institutes, teaches AP Spanish Literature and AP Spanish Language, and is a reader for ETS.

SPN X412.3 **Fee: \$845 credit** **Section: 171-EDJ-020**

MIDDLE SCHOOL TEACHERS

Pre-AP Mathematics

3 UNITS

For Beginning and Experienced Teachers

Topics related to creating teams, developing and implementing strategies for strengthening mathematics programs in K-12 levels, increasing student participation in higher-level mathematics and enhancing classroom instruction, including pre-calculus curriculum and innovations in curriculum and technology.

Cheryl L. Williams, B.A., has taught all levels of high school math, served as Department Chair, conducted institutes throughout the U.S., and has been an AP Calculus Reader.

EDUC X396.7 **Fee: \$845 credit** **Section: 171-EDJ-001**

Chemistry

3 UNITS

For Beginning and Experienced Teachers

Chemistry principles appropriate for introductory college chemistry (AP level) are reviewed, and how the AP Exam is scored is discussed.

David Hostage, M.A., has been teaching science at the secondary level since 1976, and is an active member of the AP Chemistry community. Mr. Hostage has been a member of the Test Development Committee, and an AP Reader, Table Leader and Question Leader for almost 30 years.

CHEM X450 **Fee: \$875 credit** **Section: 171-EDJ-006**

HISTORY & SOCIAL SCIENCES

STEM

Calculus BC

3 UNITS

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 learn about new topics added to the AP Calculus BC program, including limit comparison test, absolute and conditional convergence, and the alternating series error bound. Review the AP Calculus Exam format, new distribution of questions, and relative timing.

Gregory Timm, M.Ed., has taught AB and BC Calculus for 25 years. He leads AB and BC workshops, and is an AP Reader, Table Leader, and Question Team Member.

MATH X435.02 **Fee: \$845 credit** **Section: 171-EDJ-002**

Statistics

3 UNITS

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.

Robin Ellen Levine-Wissing, M.A., teaches AP Statistics, is the Instructional Supervisor of Mathematics at Glenbrook North High School, and an AP Reader and Table Leader.

STAT X450 **Fee: \$845 credit** **Section: 171-EDJ-003**

U.S. History

3 UNITS

For Experienced Teachers ONLY

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.

Robert Kelly III, M.A., has more than 16 years of experience as a Teacher-Leader in AP U.S. History, and is also an AP Test Reader and Syllabus Writer.

HIST X475.5 **Fee: \$845 credit** **Section: 171-EDJ-004**

World History

3 UNITS

For Beginning and Experienced Teachers

Strengthen the focus on mastering essential concepts and developing historical thinking skills. Utilize the revised and more condensed concept outline, discuss objectives now incorporated into the curriculum framework to clearly define the focus of the revised exam.

Krista Boivie, M.Ed., Curriculum and Instruction, Instructional Coach and Educator, Frisco Independent School District, Dallas, Texas, has more than 10 years of experience teaching AP World History. Ms. Boivie has also written curriculum at the district level, and served as an AP World History Reader.

HIST X475.7 **Fee: \$845 credit** **Section: 171-EDJ-005**

All instructors are College Board-Endorsed Consultants.

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 up-to-date AP course content
- Learn the latest instructional strategies for AP classes
- Advance your pedagogical skills
- Explore leadership approaches

Get started now and build a strong foundation in AP with this online class.

Foundations of Advanced Placement

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.

The next course will be offered in Fall 2017. Visit www.extension.ucr.edu for course date, time and fee information.

Section: 172-EDJ-001
EDUC X396.1



About Our Courses

They are designed and approved by the College Board and cover curriculum content, strategies for teaching the subject area, exam preparation and scoring.

About Our Instructors

Each of our instructors is a College Board-Endorsed Consultant, in addition to being an expert and accomplished instructor in their subject matter area. Many have been teaching AP classes for decades, and most have experience in writing and/or scoring AP exams. When they are not conducting AP Institutes, you will find them currently teaching AP classes in high schools, or on college campuses from Cal State Northridge to Pasadena City College.

Commitment to Accessibility

For over 15 years, we have been training our best teachers to step into high school classrooms and teach Advanced Placement courses. The emphasis has shifted from serving the needs of the brightest, most promising students to serving the needs of all students with the potential to be successful in college. As we challenge more and more students to take advantage of their opportunities, we also challenge ourselves as educators to maximize the potential of every student.

Accessibility is not just a buzzword, but a concept that is supported by the College Board through Pre-AP classes in middle school. Pre-AP is based on two important premises; the expectation that all students can perform well at

rigorous academic levels, and the belief that we can prepare every student for higher intellectual engagement by starting as early as possible. This focus is particularly important for low-income, first-generation, and under-represented minority students.

Pre-AP teacher professional development supports explicitly the goal of college as an option for every student. As part of the AP Summer Institute this year, we are offering Pre-AP English and Pre-AP Mathematics for middle school teachers who are up for the challenge. More information can be found on our website.

COMING OF AGE.

Focusing on Pre-AP students.

Studies have shown that in order to maximize the college and career readiness of our students, we must begin our work before high school. Intervention should begin in the upper elementary and middle school grades. A key focus for this student group should be the foundational skills in English composition, mathematics, reading and science—the essential skills for college and career readiness. Also important is to develop their academic behaviors, such as high quality work and study skills—behaviors that are conducive to college and career success.

Pre-AP is based on two important premises.

First, the expectation that all students can perform at rigorous academic levels. This is reflected in curriculum and instruction to consistently challenge students to expand their knowledge and skills. Second, is the belief that every student can be prepared for higher intellectual engagement by starting the development of skills and acquisition of knowledge as early as possible. Toward that end, the junior high school years can provide a powerful opportunity to help all students acquire the knowledge, concepts, and skills needed to engage in a higher level of learning.



The AP Summer Institute includes

course offerings in Pre-AP English and Pre-AP Mathematics, designed to equip teachers with the strategies and tools needed to engage middle school students in active and high-level learning, ensuring that they develop an understanding of the necessary skills and the habits of mind they will need to succeed in postsecondary education or college.



Scholarships of up to \$1500 are available to attend this year's program.

All scholarship applications for the 2017 AP Summer Institute are due by February 15, 2017.

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?

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

2. Do you serve rural students?

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

How to Apply for a Scholarship

1. Go to **WWW.EXTENSION.UCR.EDU/AP** and click on the College Board Scholarships link.
2. Verify your eligibility by meeting College Board requirements as described on the application form.
3. Complete and submit your application and any other required documentation.
4. When you are notified of your scholarship amount, submit your Letter of Commitment to the College Board, and enroll in the UCR AP Summer Institute by sending a copy of your Scholarship Award Notification and Letter of Commitment to Student Services along with the UCR Extension APSI SU17 Enrollment Form.

Teachers may apply for multiple scholarships, but can only be awarded one.

Note: Applications are accepted online only through the College Board website **professionals.collegeboard.com**.

For the most up-to-date information go to **www.extension.ucr.edu/AP** or call **(951) 827-4105**.

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Advanced Placement Program