



# Summer Institutes for Advanced Placement\* Teachers

- ▶ U.S. Government & Politics
- ▶ U.S. History
- ▶ Physics 1
- ▶ Biology

Monday, June 29-Thursday, July 2, 2015

*in*

- ▶ Calculus A/B
- ▶ Chemistry
- ▶ English Literature/  
Language and Composition
- ▶ Physics 2
- ▶ World History

Tuesday, July 7-Friday, July 10, 2015

This AP Summer Institute has been endorsed by





**DATES: Monday, June 29-Thursday, July 2, 2015**

## **U.S. Government & Politics**

This course provides teachers with an overview of the basic structure and content necessary for an Advanced Placement course in U.S. Government & Politics. The instructor focuses on the development of content for each of the six units included in the course as well as the development of essential questions, course objectives, learning activities, teaching strategies, and the use of multiple resources. Emphasis is placed on preparing students for the AP examination. An analysis of past AP examinations will be included as well as a review of the standards established for the grading of the annual exams. A major portion of the course is devoted to the development of units for an AP U.S. Government & Politics course by participants, including the resources necessary for the implementation of such a course. The course will include a “best practices” sharing session, and participants are encouraged to bring a copy of a favorite lesson/activity they have used in, or that could be adapted to, an AP U.S. Government & Politics course. If participants are already teaching the course, or know the textbook and/or any other books they will be using, they should bring these as well.

### **Instructor: Maria Schmidt, JD**

Maria Schmidt is a former supervisor of social studies K-12 for the Westfield Public Schools in Westfield, New Jersey. She began teaching high school social studies in Westfield in 1972, and initiated the high school law-related education program and Advanced Placement U.S. Government & Politics course. She is an attorney and former adjunct professor of education at Seton Hall University. She has served as a reader, table leader, and question leader at the annual scoring of the AP U.S. Government & Politics examination and currently serves as a consultant for the College Board, leading AP workshops and summer institutes throughout the United States. She authored the 1993 edition of the *Teacher's Guide for Courses in AP United States Government and Politics* published by the College Board, and in 2002 and 2005 she edited the fourth and fifth editions of *Multiple-Choice and Free-Response Questions in Preparation for the AP United States Government and Politics Examination* and the accompanying teacher's manual published by D & S Marketing, Inc. In 2006 she worked with Congressional Quarterly Press in developing AP U.S. Government & Politics teaching material ancillaries for use with Congressional Quarterly Press U.S. government textbooks.

## **U.S. History**

This course focuses on helping teachers develop a comprehensive program of study for their individual classes. In addition to examining methods and materials, participants will learn how to best prepare students for the AP examination in May. This will include an analysis of the free response questions, the document-based question, and hands-on work with grading rubrics. Teachers have the opportunity to plan and prepare a one- or two-year curriculum. A variety of materials are offered to enhance this process, including sample research assignments, classroom exercises, user-friendly documents, and a review program to help students review for the test.

### **Instructor: Timothy Cullen**

Timothy Cullen has been working with high school students for 42 years. He is the department supervisor for social studies at Leonia High School in New Jersey, where his classroom duties include Advanced Placement courses in both social studies and economics. Active in curriculum development, Mr. Cullen has piloted programs in a variety of fields, including history, economics, sociology, tolerance and student government. He has been a reader for the AP examination since 1995. He also teaches seminars for the College Board. His article, “The Best Preparation is a Sound Course of Study,” recently appeared in the *Social Science Docket*. A James Madison Scholar and former associate program director for the Stratford Hall Seminar on Slavery, Tim Cullen received the Princeton University Distinguished Teaching Award in 2006 and was named one of the College of New Jersey's Outstanding Educators in 2008.

## **Physics 1**

### **Will be held in: Great Neck School District**

Guided by National Research Council and National Science Foundation recommendations, the AP Program spent several years collaborating with master AP teachers and faculty members from universities and colleges to evaluate and revise the AP Physics course. This collaboration led to a decision to replace AP Physics with two new courses, AP Physics 1: Algebra-Based and AP Physics 2: Algebra-Based. AP began offering the courses in the 2014-15 academic year. A new curriculum framework clarifies what knowledge and skills students should demonstrate to qualify for college credit and placement.

### **Instructor: Jesus Hernandez**

Jesus Hernandez has taught physics at Lawrence High School in Massachusetts and at Queens Metro High School in New York during the last 12 years. He started an AP physics program at Lawrence in 2000, and his students have taken both AP-B and AP-C physics examinations. He has been an AP Physics consultant since 2004 and has been an AP physics reader for seven years. In 2004 he was selected to participate in the competitive CERN Programme for Physics High School Teachers in Geneva, Switzerland. Mr. Hernandez was an advisory board member of the Physics for the 21st Century Program produced by the Science Media Group at the Harvard-Smithsonian Center for Astrophysics.

## **Biology**

This AP Biology institute will explore all aspects of the Curriculum Framework (the four “Big Ideas,” the seven “Science Practices,” “Learning Objectives,” etc.), how to set up your course, how to run inquiry-based labs, and how to prepare students for the examination. Participants will get hands-on experience with the inquiry-based labs found in the new lab manual. We will also discuss ways to modify your existing lab program to fit the AP Science Practice Standards. Participants will be instructed in the exam design. Other topics include the audit and reviewing resource materials for this course. In an effort to have participants better prepared for the coming year each participant will begin the development of a syllabus appropriate to their school's calendar and create a course unit, including a new inquiry-based lab or a modified existing lab. Participants will need to bring their 2015-2016 school calendar, their textbook as well as one of their best biology activities (favorite lab, demonstration, etc.) to share with the others.

### **Instructor: Richard Kurtz**

Richard Kurtz has been a science educator on Long Island for the past 28 years, and is currently a teacher at Commack High School. He has trained and prepared teachers to teach the AP Biology course as a College Board consultant in the United States and Canada. His workshops encompass the entire AP Biology curriculum, including course organization, pacing, and laboratory design in a collegial and cooperative atmosphere. Mr. Kurtz has had extensive experience working with teachers and students in developing hands-on science activities in biology and science research.

**DATES: Tuesday, July 7-Friday, July 10, 2015**

## **Calculus A/B**

This course provides a complete overview of the AP Calculus curriculum and is appropriate for teachers who are either new to the course or are experienced, seeking new strategies and methods to improve their calculus program. The course concentrates on instructional strategies for helping students learn calculus concepts and techniques. Focus is on the College Board outline for AP Calculus A/B. Emphasis is placed on a multi-representational approach to the concepts in the topical outline, including concepts of the derivative, linear approximations, related rates, optimization, the Fundamental Theorem of Calculus, accumulating rates of change, approximation techniques for the definite integral, working with slope fields, differential equations, and series approximations of functions where possible. Participants examine the reading and scoring process of the 2014 AP Calculus exam and look closely at how past AP exams should be used in their AP courses. Participants should bring the calculator they will be using in their classes. Participants receive information about resources and software useful in the calculus classroom.

*It is requested that participants bring with them a copy of a pre-calculus or calculus lesson they have already done with students, to share with the entire class. These lessons and strategies will serve as good resources for all participants.*

### **Instructor: Christinia Frazier**

Christinia Frazier has taught AP Calculus since 1988, and AP Statistics since 1998, in The School District of Philadelphia, having taught at both the Northeast High School and The Philadelphia High School for Girls. She is currently an associate professor at Esperanza College, a satellite campus of Eastern University. As mathematics consultant for the College Board, Ms. Frazier serves as a workshop leader/presenter in the Pre-AP Mathematics initiatives and as an AP Calculus A/B and B/C consultant. She has been a reader of the AP Calculus examination since 2002. Ms. Frazier has also served with the reading and scoring of the PRAXIS Mathematics Pedagogy exam for eight years. She was a member of the SAT II Mathematics Committee, responsible for test development and question writing.

## **Chemistry**

This course surveys the basic structure and content necessary for an AP Chemistry course. Chemistry topics such as stoichiometry, equilibrium, kinetics, and “how to” problem solving are presented, along with special emphasis on the descriptive chemistry of reactions. Class size, student selection, textbooks and labs are also addressed. Special attention is paid to teaching strategies, the AP exam and its grading. Some lab experiments suitable for AP classes are incorporated into the course. Participants receive examples of past AP exams, appropriate tests, worksheets and lab experiments.

### **Instructor: Mark Langella**

Mark Langella is an AP Chemistry instructor at Mahopac High School in New York. He earned a BA in chemistry from Manhattan College, and an MA in science education from Lehman College. He is also a New York state-certified chemistry and chemical technology instructor. Mr. Langella has more than 20 years of experience teaching AP Chemistry and is a College Board AP Chemistry consultant as well as a College Board workshop coordinator. He has 16 years of experience mentoring new AP Chemistry instructors and has worked for CIBA as a consultant for educational programs since 1990. He is also the founder and director of the Putnam/Westchester Industry and Teacher Alliance and has been a coordinating board member of both the SUNY Purchase Alliance of Chemistry Educators (1990-2000) and the Teaching Center at SUNY Purchase (1999-2002). Mr. Langella is the author of published experimental kits and AP Chemistry labs for FLINN Scientific. He was selected as Alliance of Chemical Engineers Teacher of the Year in 1995, Manhattan College Sigma Xi Science Teacher of the Year in 1994, and Yonkers Public Schools Technology Teacher of the Year in 1994.

## **English Literature/Language and Composition**

This course provides an overview of the basic structure and content of both Advanced Placement English courses: AP English Language and Composition and AP English Literature and Composition. It is appropriate for teachers who are new to either or both courses and for those who are experienced but wish to expand the range of their teaching strategies and methods. Participants will learn to understand and manage the scope of the AP courses and become familiar with the AP exams, as well as the reading and scoring process. In addition, participants will learn effective strategies used by other AP teachers, including instructional strategies for diverse groups. Emphasis will be on selecting appropriate materials that will lead to college-level rhetorical and literary analysis. The course will begin with a full analysis of the exams themselves and consideration of strategies that help students prepare for both sections. We will spend part of our time placing ourselves in the position of our students and will practice effective classroom lessons designed to promote close reading, literary and rhetorical analysis, and argumentation. Participants will work individually on developing a syllabus that they will implement in their school.

### **Instructor: Dr. Vincent A. Lankewish**

Dr. Vincent A. Lankewish is a former AP English teacher, and currently teaches at the Professional Performing Arts School in Manhattan. From 1998 to 2005, he was assistant professor of English at Penn State-University Park and has completed a book manuscript titled *Seeing Through the Marriage Plot: Queer Visionaries in Victorian Literature*. Dr. Lankewish has served as a reader of the AP English exams and is a consultant for the College Board.

## **Physics 2 (see: June 29-July 2, 2015)**

## **World History**

The course is designed to help both the beginner and experienced teacher successfully navigate the themes, key concepts, and skill-building requirements of the new AP World History course framework. A cooperative learning environment is encouraged wherein the practical is emphasized over the theoretical. Instructional strategies are shared and many classroom-tested useful resources are distributed. Participants are offered opportunities to create and then share responses to course-related essay questions. Attention is also paid to the development of syllabi that meet the curricular requirements of the course audit.

### **Instructor: Mel Maskin, PhD**

Dr. Mel Maskin is a former AP U.S. History and AP World History teacher at the Bronx High School of Science and is a consultant for the College Board in both subjects. He is a recipient of many student-nominated “outstanding teacher” awards, has taught at Teachers’ College, Columbia University, and in the history department at Lehman College. Dr. Maskin has extensive experience in offering AP World History workshops in both the Middle States and Mid-West regions.

## Professional Development and Attendance

Registrants who attend all sessions receive a certificate of attendance. Professional development hours and/or in-service credit may be available through your school district.

Participants must attend the entire institute in order to earn a certificate and 30 professional development hours.

## Meals

Tuition includes continental breakfast. Participants may purchase lunch at Hofstra's on-campus eateries, including Au Bon Pain, Café on the Quad and Bits 'n' Bytes Café, all within walking distance of the classrooms.

## Registration Information

Tuition includes course materials. Calculators, textbooks and laptop computers, which may be required for some courses, are not included in the tuition.

The registration form, along with the appropriate fee (check or district purchase order payable to Hofstra University) should be received no later than June 2, 2015. Online registration (with credit card) is available at [hofstra.edu/edworkshopreg](http://hofstra.edu/edworkshopreg).

Registration is limited, and pre-registration is required. Fees are nonrefundable, unless cancellation notification is provided at least 72 hours in advance of the institute.

## Class Schedule

All classes during each session (Monday through Thursday, June 29-July 2 and Tuesday through Friday, July 7-10) will meet from 8 a.m. to 4:15 p.m. with a 45-minute lunch break.

## Mail registration form and payment to:

Betsy A. Salemson, Director  
Office of Professional Development  
School of Education  
114 Hagedorn Hall  
119 Hofstra University  
Hempstead, New York 11549-1190

## For more information:

Telephone: 516-463-5750  
Fax: 516-463-6006  
Email: [apsummerinstitute@hofstra.edu](mailto:apsummerinstitute@hofstra.edu)

For directions to campus and a printable campus map, please visit [hofstra.edu/directions](http://hofstra.edu/directions).

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Hofstra University is an EO/AA/ADA educator and employer. 59529:3/15

## Registration Form

Preregistration must be received with payment no later than June 2, 2015.\*

### Please register me for:

- |   | <b>Tuition</b> |
|---|----------------|
| <input type="checkbox"/> Biology  | \$950          |
| <input type="checkbox"/> Calculus A/B   | \$900          |
| <input type="checkbox"/> Chemistry  | \$950          |
| <input type="checkbox"/> English Literature/<br>Language and Composition<br>(2 AP books are provided) | \$950          |
| <input type="checkbox"/> U.S. Government & Politics   | \$900          |
| <input type="checkbox"/> Physics 1 and 2  | \$950          |
| <input type="checkbox"/> U.S. History   | \$900          |
| <input type="checkbox"/> World History  | \$900          |

\*The late fee for registration after June 2, 2015, is \$60.

Total enclosed: \$ \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title/position: \_\_\_\_\_

School/affiliation: \_\_\_\_\_

Home address: \_\_\_\_\_

Work address: \_\_\_\_\_

Email: \_\_\_\_\_

Telephone (work): \_\_\_\_\_

Telephone (home): \_\_\_\_\_

Telephone (cell): \_\_\_\_\_

Are you in a degree program at Hofstra University?  Yes  No

If yes, please specify: \_\_\_\_\_

### Method of Payment:

Check in the amount of \$ \_\_\_\_\_ (payable to Hofstra University) is enclosed.

District purchase order # \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ (payable to Hofstra University) is enclosed.

Visa/MasterCard is accepted. To pay by credit card, please visit [hofstra.edu/edworkshopreg](http://hofstra.edu/edworkshopreg).