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School of Education and Allied Human Services  
Office of Professional Development Services, 120 Hagedorn Hall  
119 Hofstra University  
Hempstead, New York 11549-1190



## School of Education and Allied Human Services

## Summer Institutes for Advanced Placement Teachers

in

Physics  
July 2, 3, 5, 6, 2007

Chemistry  
English Language and Composition  
U.S. History  
July 9-13, 2007

find your edge

### Chemistry

#### Chemistry/Physics Building, Room TBA

This course surveys the basic structure and content necessary for an Advanced Placement Chemistry course. Chemistry topics such as 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 received a B.A. in chemistry from Manhattan College, and an M.A. in science education from Lehman College. He is also a NYS-certified chemistry and chemical technology instructor. Mark Langella has 18 years of experience teaching AP chemistry and is a College Board AP chemistry consultant as well as a College Board workshop coordinator. He has nine years of experience mentoring new AP chemistry instructors and has worked for CIBA as a consultant for educational programs since 1990. Mr. Langella 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).

### English Language and Composition

#### Hagedorn Hall, Room O36

This seminar is designed for those teachers new or relatively new to the AP program; hence, we focus on the basic components of the AP English language course. We read a variety of genres that might be included in an AP class, discuss strategies for teaching those genres, develop critical writing assignments, and consider the role that the AP exam might play in preparing a syllabus. We read selections from *Antigone*, *Sesame and Lilies*, *The Renaissance*, and *A Room of One's Own*, as well as other short essays appropriate for an AP English language class.

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

Dr. Vincent A. Lankewish is a former A.P. English teacher, and currently teaches at the Professional Performing Arts School in Manhattan. From 1998 to 2006, 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.

### U.S. History

#### Hagedorn Hall, Room 285

This course focuses on the development of a comprehensive program of study for your individual class. Lessons include: methods and materials, preparation for the objective portion of the AP examination, analysis of the free response questions, an in-depth look at the DBQ, and grading rubrics. Participants are expected to plan and prepare a curriculum for the year. A variety of materials are offered to enhance this process, including sample research assignments, classroom exercises, a notebook of user-friendly documents, and a review program to help students prepare for the Advanced Placement examination. The objective is to have each participant ready for the new school year before classes begin in September.

#### Instructor: Timothy Cullen

Timothy Cullen has been working with high school students for 36 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 helped pilot programs in a variety of fields, including history, economics, sociology, tolerance and student government. He is presently developing a new curriculum in economics. Mr. Cullen has been a reader for the AP examination since 1995. He also teaches seminars for the College Board and the NCAA. A James Madison Scholar, and former associate program director for the Stratford Hall Seminar on Slavery, Tim Cullen was named a Princeton University Distinguished Teacher in 2006.

## Physics

### Chemistry/Physics building, Room TBA

This course offers participants the opportunity to share teaching experiences in an informal, relaxed atmosphere, to review important concepts in both AP-B and AP-C physics, to look at the AP-B and AP-C examinations and their scoring, to ask questions concerning the AP program and the role of physics lab, and to develop ideas adaptable to participants' goals and needs. Highlights of topics frequently encountered on the AP physics examinations include Newton's laws of motion, the conservation laws of mechanical energy and momentum, gravitation, Gauss' law, Ampere's law, Faraday's law, fluids, thermodynamics, optics, and modern physics. The role of calculus in AP-C physics is explored.

### Instructor: Dr. Raj (Hirendra) Chatterjee

Raj (Hirendra) Chatterjee received a Fulbright scholarship to pursue a Ph.D. in physics at Pennsylvania State University. He has taught physics at Cherry Hill High School West in New Jersey since 1974. He started an AP physics program at that school in 1990, and his students have taken both AP-B and AP-C physics examinations. Since 1990, eight of his students were selected for the U.S. Physics team for the International Olympiad. He was a member of the AP-Physics Test Development Committee from 1995 until 1998, and a panel member for a television conference in November 1995. Dr. Chatterjee co-authored the 2000 College Board's *AP-Physics Teacher's Guide*, and was an AP physics reader for seven years. He has presented at more than 60 AP physics conferences, including summer institutes, in the last 14 years and recently authored a book on AP (B and C) physics. Since 1980, Raj Chatterjee has been an adjunct professor in physics at Camden County College, and taught at Rutgers State University at Camden from 1985 to 1994.

## Professional Development and Attendance

A certificate of attendance is given to all registrants. 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.

## Refreshments and Lunch

Tuition includes morning coffee. Participants may purchase lunch at Hofstra's on-campus eateries, including the Hofstra Deli, Café on the Quad and Café Bistro at Bits 'n' Bytes, 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 payable to Hofstra University) should be mailed no later than June 8, 2007.

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

## Class Schedule

All classes, except Physics, meet Monday through Thursday, July 9-12, 8 a.m. to 3:30 p.m., with a one-hour lunch break, and Friday, July 13, 8 a.m. to noon, at Hofstra University. Physics meets July 2, 3, 5 and 6 from 8 a.m. to 4:15 p.m. with a 45-minute lunch break, at Hofstra University.

## Mail registration form and payment to:

Martin Blum, Assistant Dean  
School of Education and Allied Human Services  
120 Hagedorn Hall  
119 Hofstra University  
Hempstead, New York 11549-1190

For more information:  
Telephone: (516) 463-5750  
Fax: (516) 463-4370  
E-mail: [Martin.Blum@hofstra.edu](mailto:Martin.Blum@hofstra.edu)

## Directions:

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

## Registration Form

Pre-registration must be completed with prepayment no later than June 8, 2007.\*

Please register me for:	Tuition
<input type="checkbox"/> Chemistry	\$800
<input type="checkbox"/> English Language/Composition	\$750
<input type="checkbox"/> Physics	\$800
<input type="checkbox"/> U.S. History	\$750

\*Late fee for registration after June 8, 2007, is \$50.

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

Date: \_\_\_\_\_

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

Title/Position: \_\_\_\_\_

School/Affiliation: \_\_\_\_\_

Home Address: \_\_\_\_\_

\_\_\_\_\_

Work Address: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

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

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

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.

For Visa/MasterCard payment call (516) 463-5750  
for form.