



**Advanced Placement Program<sup>®</sup> (AP<sup>®</sup>) Workshops  
NESAs Spring Educators Conference  
Hosted by Cairo American College  
Cairo, Egypt  
April 4 and 5, 2009**

**Scheduled Sessions:**

- AP<sup>®</sup> Calculus AB and BC
- Skills and Strategies for History-Social Science Courses
- Skills and Strategies for Science Courses

**Workshop Location:**

**Cairo American College (CAC)**

1 Midan Digla  
Maadi 11431  
Cairo, Egypt  
<http://www.cacegypt.org/>

Return transportation will be provided between Conrad Cairo Hotel and CAC.

**Workshop Schedule:**

**Saturday, April 4, 2009**

8:00 – 8:30 am – AP Workshop check-in  
8:30 am – 4:30 pm – AP Workshop sessions at Cairo American College  
7:00 pm – NESAs Welcome Reception (at the Conrad Cairo Hotel)

**Sunday, April 5, 2009**

8:30 am – 4:30 pm – AP Workshop sessions at Cairo American College

**Monday, April 6 and Tuesday, April 7, 2009**

NESAs Spring Educators Conference events at the Conrad Cairo Hotel – please visit the NESAs Web site for details: <http://www.nesacenter.org/2009-spring-educators-conferen/>

**Session Descriptions:**

**AP Calculus AB and BC**

This two-day workshop will focus on content in the official syllabi for both AP Calculus AB and AP Calculus BC. We will explore the topics covered in both courses in a way that supports student understanding and also maximizes the level of student preparation for the AP Exams. In our session, we will pay particular attention to teaching strategies, textbooks, effective use of technology, methods of assessing student understanding, and managing the course content in a constrained time frame. We will also discuss ways of promoting greater student participation in AP Calculus while advancing

equity. There will be a review of the standards and scoring of the 2008 AP Exams in Calculus AB and BC, with emphasis on the details that do not always appear on the standards. During the discussions participants will have the opportunity to share some of their own strategies and best practices. This promises to be a robust and fast-moving experience. Participants are asked to bring a graphing calculator of their own choosing, but programs for the TI-83+ and TI 84 will be available to download.

**Presenter: Ben Cornelius** is currently a professor of mathematics at Oregon Institute of Technology. He received his Bachelor's and Master's degrees from California Polytechnic State University, San Luis Obispo. He taught high school mathematics in Sao Paulo, Brazil and San Diego, California before joining OIT in 1980. In 1991-1992 he spent a sabbatical year teaching mathematics at Ngee Ann Polytechnic in Singapore, and is currently teaching at Olivet Nazarene University in Illinois for the 2009 spring semester. Ben has been an AP Reader and Table Leader for several years and has presented numerous weekend AP Calculus workshops and week-long AP Summer Institutes throughout the United States.

### **Skills and Strategies for History-Social Science Courses**

In this workshop, participants will explore the concepts, standards, and skills students need to succeed in university-level history and social science courses, with examples from AP European History, AP United States History and AP World History. Engaging and effective student-centered activities and strategies, which can be integrated into any history or social science course, will form the core of the session. In addition, participants will analyze and take part in mock readings of released AP Exams as a way of modeling best practices and assessment formation. Vertical teams, groups of educators at different grade levels working together to align curriculum and instruction, will be discussed, showing how they can be utilized to encourage success in higher level classes. Educators involved in any history-social science subjects, and especially teams of teachers in grades 6-12, are encouraged to attend.

**Presenter: Bill Zeigler** earned his B.A. in history from San Diego State University and an M.A. in education with an emphasis in professional development in gifted education. He teaches world history and literature in the humanities program at San Marcos High School in California. Bill has been a Reader, Table Leader, and Question Leader for AP World History, as well as a Reader for AP U.S. History. He authored part of the first AP World History Teacher's Guide and was a reviewer for the latest version of that resource.

Bill has always had a keen interest in world history. He was a fellow of the Woodrow Wilson National Foundation at Princeton University and was awarded a two-year NEH fellowship to study India and China at California State Polytechnic University, Pomona. He has presented at the World History Association, the National Council for the Social Studies, and the AP Annual Conference, and serves as a member of that program committee. Bill is an international AP and Pre-AP® consultant for the College Board in world history and interdisciplinary strategies, having led presentations for international schools in Heidelberg, Brasilia, Bangkok, Madrid and Seoul. Bill lives in San Diego, California with his wife Marianne.

### **Skills and Strategies for Science Courses**

In this workshop, participants will explore the concepts, competencies, standards, and skills that students need to be successful in leading university-level science courses, including AP Biology, AP Chemistry, AP Environmental Science, and AP Physics. Skills and strategies that teachers can integrate in all their science courses will be presented and discussed. Participants will engage in some effective student-centered classroom activities. They will also delve into reviews of released AP Exams and student responses and learn about the review and new direction of AP science courses that will take effect in the next few years. Participants will also discuss and participate in exercises to develop effective AP Vertical Teams, teams of educators in a school at the different grade levels that work together to align curriculum and instruction across the grade levels in order to prepare students for university-level course work. They

will share resources for the AP classroom and have opportunities to network with colleagues. Educators within all the science areas are encouraged and welcome to attend.

**Presenter: Nita Ganguly** teaches honors biology, human genetics, and AP Environmental Science, and is also the chair of the science department at Oak Ridge High School in Tennessee. Nita was a member of the AP Environmental Science Development Committee from 1999 to 2003 and has been a Reader and a Table Leader for the AP Exam. She recently joined the AP Environmental Science Development Committee once again as a College Board adviser, which is a liaison position between the College Board and the development committee. Dr. Ganguly has been a College Board AP Consultant for ten years and conducts workshops in AP Environmental Science, Pre-AP Strategies in Science: Learner-Centered Classroom, and in Pre-AP: Topics for Vertical Teams in Science. She also conducts five-day Summer Institutes throughout the United States every year. Nita is a recipient of the Siemens Advanced Placement Recognition Award, the Presidential Award for the Teaching of Environmental Science, and she has also served as part of the College Board's consultant leadership. Dr. Ganguly's education includes a B.S. in zoology (with minors in chemistry and physiology), an M.S. in cytogenetics, and a Ph.D. in genetics. She also has an M.S. in curriculum and instruction.

### **Workshop Registration**

Please visit the NESAC Spring Educators Conference website (<http://www.nesacenter.org/2009-spring-educators-conferen/>) for registration fees and procedures. To attend an AP workshop, please pay the conference fee as indicated (there is no additional fee for attending the AP workshops). The early registration deadline is **February 15, 2009**. After February 15, 2009, late registration fees apply. **NOTE:** If you register for an AP workshop, it is important that you write in the "Comments" box of the online registration form which AP workshop you will attend. Failure to do so will result in you not receiving materials prior to the conference.

**Registration fees include** workshop tuition, materials, return transportation between CAC and the Conrad Cairo Hotel, lunch and coffee breaks at the AP workshops and participation in the NESAC Conference events until April 7, including the Welcome Reception (April 4) and Gala Evening (April 6).

### **Graduate Credit:**

One semester credit can be obtained from the State University of New York (SUNY) at Buffalo for participation in one of the AP workshops. Participants must attend the two days of events in order to be eligible for credit. For more information regarding graduate credit, please contact Leah Loveless at [intlearning@buffalostate.edu](mailto:intlearning@buffalostate.edu).

### **Important:**

**Registrations are processed on a first-come, first-served basis and there is a capacity of 30 participants per session. All sessions must have a minimum of five participants.** There is a possibility that some sessions may be canceled due to lack of registrants. Please take this into account when making travel arrangements.

### **Hotel Accommodations**

For information regarding hotel accommodations at the conference hotel, the Conrad Hotel in Cairo, please visit the NESAC website. There is a direct link to the Conrad site where you can make your reservation.