2015 Advanced Placement®
Summer Institutes at UNC Charlotte

Biology
July 20 – 24
Participants will learn strategies for successfully navigating the challenges of the redesigned AP biology course. Time will be divided among three areas vital to teaching the new course: understanding the new Curriculum Framework, adapting the new inquiry-based lab approach to your classroom, and preparing students for the redesigned exam. The institute will also address strategies for preparing for the AP course audit.

Calculus AB
July 20 – 24
Teachers will examine methods and techniques for content presentation, sequencing, and pacing of the course. Major calculus topics will be explored as well as the structure and grading of the AP exam, teaching strategies, and student textbook selection.

Chemistry – New Teachers
July 6 – 10
This institute will focus on the curriculum framework, changes to the course, understanding the exam, course planning and pacing, instructional design, the course audit plus developing a syllabus, and transitioning to inquiry-based labs.

Computer Science A - New Teachers
July 6 – 10
This workshop covers the AP curriculum and the required Java subset. Teachers will study Java and object-oriented programming, constructors and methods, interfaces, inheritance, and polymorphism. Using the case study and graphics library, teachers will demonstrate some of these concepts and how these tools can be used in the classroom. Teachers will be provided with assignments, activities, and testing materials that can be used in their own classrooms. Participants will also work with 3 APCS curriculum related Exemplar Labs that demonstrate how teachers can develop labs that engage students via structured and scaffolded activities.

English Language and Composition
July 20 – 24 or
July 27 – 31
This course will present approaches to teaching rhetorical analysis and argumentation. The makeup and scoring of the AP exam will be explored. Teachers will participate in group and individual exercises related to teaching, writing, and learning.

Environmental Science
July 27 – 31
At the end of the APSI for English Language and Composition, participants will know how to begin an AP program in their schools and what services are offered through the College Board; how to organize a sequential program in English and to select texts and other materials; how to plan and organize their AP curriculum and specific classroom activities; and how the AP exam fits into an AP program.

French Language and Culture
July 6 – 10
This workshop will give participants concrete strategies for designing and effectively implementing the AP curriculum. Drawing from the curriculum framework, teachers will learn how to develop activities and assessments that present language in a cultural context, build student proficiency in communication, and integrate authentic materials into language instruction. Additionally participants will gain a comprehensive understanding of the exam structure and prepare for the course audit.

Psychology
July 13 – 17
Teachers will learn various techniques for presenting AP Psychology in a high school setting. In addition to a general overview of the course content, various hands-on strategies including labs, role-plays, and applied research methods will be taught and demonstrated. A significant amount of time will also be allotted for preparing students for the AP exam.

Spanish Language and Culture
July 27 – 31
This workshop will present some of the best tools for helping students excel in the AP classroom, with special emphasis on the development of critical thinking skills. Teachers will discuss the latest exam format, strategies for preparing students for the exam, how to incorporate culture and literature into language classes, how to find and use authentic materials, and how to integrate skills in class and for the exam.

Statistics
July 27 – 31
The course will examine major topic areas including exploration of data, deciding what and how to measure in planning a study, anticipation patterns using probability and simulation, and statistical inference. The focus will be on methods and techniques of instruction. Computers and TI-83 graphing calculators with statistical capabilities will be used.

US Government and Politics
June 22 – 26
Emphasis will be on a practical approach to designing and teaching the AP subject. Selection of topics, strategies for teaching and resources on the Internet are among the topics covered. Teachers will explore the format of the AP exam and resources available from the College Board and elsewhere to prepare and support teachers and students.

US History - New Teachers
July 6 – 10
Teachers will explore effective strategies for preparing students to succeed on the AP exam. Organization of course content, materials, strategies and techniques will be among topics covered, as well as Internet resources. Emphasis will be placed on discovery and selection of resources to support the AP program.

World History
July 13 – 17
Teachers will explore the major topics and themes that will make up the AP course. The course will also focus on selection of text and support materials, construction of the syllabus and student assignments, and teaching the course successfully. Experienced and beginning AP teachers welcomed.

New teachers:
0 to 3 years’ experience in the AP subject.

Experienced teachers:
3+ years’ experience in the AP subject.

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Credit
- Upon completion of an institute, participants will receive three Continuing Education Credits. If any class time is missed, the CEUs awarded will be reduced accordingly.
- Additionally, participants will earn a Certificate of Completion from the College Board, which reflects the number of contact hours completed. Any participant who misses more than 10% of an institute will not receive a Certificate of Completion.

Fees and Policies
- Institute fees are $598 for each week-long session. For AP science courses, institute fees are $638 which includes the $40 lab fee.
- Housing fees are $250 for Sunday - Thursday nights. A fee of $40 will be charged if you cancel housing plans.
- Registration, including housing reservations and payment, is due 10 business days before the first day of the institute.
- If your school or school system is paying, please work with them to process the payment and submit with the registration form.
- Cancellations are subject to a $125 cancellation fee. Cancellations should be made by emailing apsi@uncc.edu.
- Refunds less $125 are available up to ten business days before the first day of the institute.

About the Institutes
- All institutes are appropriate for new and experienced AP teachers, unless otherwise noted.
- All instructors are endorsed by the College Board and attend training each year.
- If your AP subject is undergoing curriculum changes, our institute will cover the new material the summer before the new AP exam begins.

Institutes and Instructors

June 22 – 26
- US Government and Politics
  Joseph Stewart, jstewa4@clemson.edu

July 6 – 10
- Chemistry (New Teachers)
  Mike Arim, mike.arim0712@gmail.com
- Computer Science A (New Teachers)
  Richard de Paulo, rdepaulo@gmail.com
- English Literature and Composition
  Sandra Daye, sdaye@bellsouth.net
- French Language and Culture
  Kately Demougeot, katelyd@hotmail.com
- US History (New Teachers)
  Sue Reeder, suefl33@gmail.com

July 13 – 17
- Psychology
  Larry Stombaugh, lkstom@aol.com
- World History
  Patrick Whelan, pwhelan@saintstephens.org

July 20 – 24
- Biology
  Leslie Haines, leslie_haines@abss.k12.nc.us
- Calculus AB
  Kaye Autrey, k_autrey@bellsouth.net
- English Language and Composition
  Robert Kuhn, kuhnlang@gmail.com

July 27 – 31
- English Language and Composition
  Ann Rudkin, rudlang@triad.rr.com
- English Literature and Composition
  Sandra Daye, sdaye@bellsouth.net
- Environmental Science
  Flo Gullickson, gullicf@gcsnc.com
- Spanish Language and Culture
  Alicia Lewis, alijoslew@aol.com
- Statistics
  Tom Parker, tparker10@triad.rr.com

UNC CHARLOTTE
Center for STEM Education

2015 ADVANCED PLACEMENT® SUMMER INSTITUTES

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