ROBERT S. WELCH CENTER FOR GRADUATE AND PROFESSIONAL STUDIES
GOUCHER COLLEGE
ADVANCED PLACEMENT SUMMER INSTITUTE - ONLINE

SYLLABUS

Preparing Students for Advanced Placement Biology
AP 503.300 July 11 to July 15, 2022
Monday through Thursday, 8:30 a.m.-4:00 p.m. EDT; Friday 8:30 a.m.-12:30 p.m. EDT

This course is designed both for teachers who are new to teaching AP Biology as well as for experienced teachers, who are looking for information about the redesigned course requirements. This course will focus on three areas essential to the teaching of the revised AP Biology course: 1) the Curriculum Framework (the four Big Ideas", Enduring Understandings, Essential Knowledge and the seven Science Practices"), 2) the inquiry-based lab approach, and 3) the exam. The workshop is structured around Understanding the Course, Planning the Course, Teaching the Course, Assessing Progress and Understanding, and Joining the AP Community.

Because we are doing this APSI online the laboratory component will be a mixture of demonstrations, video presentations, and actual labs and activities you will do at home. This is due to the reality we are not together for this APSI and for the possibility that we might need to engage in distance learning with our own students in the future. Thus, a good inquiry-based course can be constructed, whatever the venue, using ingenuity and creativity. With that in mind we will explore ways to modify existing labs to fit the AP Biology Science Practice Standards whether taught at school or remotely.

The new exam design, particularly in contrast with the former exam, will be highlighted. Other topics of the week include the audit process and resources. Participants are encouraged to read the new AP Biology curriculum before the workshop begins:
https://apcentral.collegeboard.org/pdf/ap-biology-course-and-exam-description-0.pdf?course=ap-biology

Each participant will share a best practice" idea asynchronously. Participants should prepare a brief video, audio, Power-Point, handout, etc. of a suggested activity that they find effective (it need not be just for AP Biology, since most of us teach other subjects as well). Participants new to AP Biology, who are taking this course for graduate credit at Goucher College, will develop an audit quality course syllabus based on the new curriculum standards. (Teachers who already have successfully submitted an AP Biology syllabus for audit will develop a unit based around the new curriculum).

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COURSE REQUIREMENTS: (Please do the following BEFORE the class begins)

- Please go to the AP Biology page at the AP Central website https://apcentral.collegeboard.org/courses/ap-biology?course=ap-biology and peruse the *AP Biology Course and Exam Description* https://apcentral.collegeboard.org/pdf/ap-biology-course-and-exam-description-0.pdf?course=ap-biology (Participants in the USA will be receiving a hard-copy binder of this core document.)

- Prepare a "best practices" sample lesson to share. Please prepare a five-minute presentation of a lesson that works well for you. This can be a lab, demonstration, an assignment, an activity, an approach to a topic, etc. Please note that it does not have to be at the AP level.

- Please have your school's calendar for the 2021-22 academic year.

COURSE OBJECTIVES*:

In this course participants will:

1. Become familiar with the AP Biology curriculum standards and develop a course syllabus that reflects these new standards. (Alternatively, for experienced teachers that have already developed their syllabus for the new AP Biology program, they will develop a unit of the curriculum.)

2. Explore a variety of activities and laboratories for both in school and remote.

3. Learn how to modify their existing lab program to reflect the new emphasis on a more open-ended, inquiry-based approach.

4. Become familiar with the AP Biology Exam format.

5. Network with other teachers and share best practice" lessons.

* (Please note that the AP Teacher Standards: Content Knowledge, Teacher Certification, Pedagogy, Analysis and Reflection, and Professional Development, are addressed in these objectives.)

Goucher College – Graduate Programs in Education Outcomes:

- GPE013 Dispositions- Professionalism and GPE009 Skills-Communication: Establish collaboration and co-operation among teachers.
- GPE002 Knowledge-Assessments, GPE009 Skills-Communication, and GPE6 Skills-Data: Familiarize high school teachers with skills and concepts tested on the AP Biology exam.
- GPE013Dispositions- Professionalism: Recognize and honor the significance of the roles that all high school AP Biology teachers play in the preparing of their students for academic success in advanced courses.
- GPE012 Dispositions-Diversity: GPE004 Knowledge- Diversity: Recognize that the AP Biology course is not restricted to an elite, subset of the school population, but is accessible to an equitable representation of the school body.
- GPE001 Knowledge- Theory, GPE003 Knowledge- Purpose: and GPE005 Skills-Theory: Help high school teachers to identify and practice effective strategies that help engage all their students in active, higher-level learning and to develop skills, knowledge, concepts, and habits of mind that support such rigor.
- GPE012 Dispositions-Professionalism: Learn strategies of how to work effectively as a team.
- GPE013 Dispositions-Professionalism: Create an Action Plan: prioritize team goals; assign responsibility; create a timeline.
- GPE013 Dispositions-Professionalism: Collaborate and co-ordinate team efforts to form and maintain a cohesive program.

REQUIREMENTS FOR GRADUATE CREDIT

Requirements for Graduate Credit Include:

- Daily class attendance.
- Being prepared for each lesson.
- Enthusiastic participation in all class activities.
- Answering one AP Free Response Question for a Mock-grading exercise.
- Completing one AP Practice Exam.
- Sharing one Sample Lesson" (Best Practice) with the class. (5 Minute Presentation).
- Developing an Audit-ready Syllabus[1] for the new AP Biology curriculum

Final Evaluations will be based on:

- Completion of Audit-ready Syllabus or fully Developed Unit (Syllabi or Units are to be emailed to the instructor, Erol Altug, at erol.altug@goucher.edu or bioguyerol@gmail.com **within one week of the end of the course.)**
- Participation in all hands-on activities and small group work.
- Presentations (online) of best practice"
- Completion of work outside of class (lab prep, test questions, and reading).

If you are taking the course for credit, no absences are permitted. You must attend every day and every session to receive graduate credit.

GRADE AND TRANSCRIPT INFORMATION

Goucher College does not issue grade reports. You can obtain your grade approximately 3 weeks after concluding the course by going to the myGoucher website (myGoucher) and following the prompts to receive your grade. If you have misplaced your password, please contact the help desk (helpdesk@goucher.edu) and they will help you through this procedure.

If you need a paper copy of grades for tuition reimbursement, you will need to request a transcript in writing. You can fax your request to 410-337-6504 or mail to:

Goucher College
Registrar's Office
1021 Dulaney Valley Road
Baltimore, MD 21204

There is no charge for this request. Please allow 3-5 working days to process. To access the transcript request form, please go to Transcript-Request.pdf (goucher.edu).

Questions? Please call the Welch Center Office at 410-337-6200.