AP Summer Institute 2014
Course Description

Course: AP Biology

Date(s): August 04, 2014 – August 07, 2014

Instructor: Ms. Melissa Cuellar

Email: mcuellar@unitedisd.org

Days: Monday – Thursday

Time: 8:00am – 5:00pm

Setting: Biology Lab

Lunch: One (1) Hour

Prerequisite(s): Bachelor Degree w/teacher certification

CEU’s: 32 Contact Hours, 3.0 CEU’s

CE Email: continuingeducation@tamiu.edu

CE Telephone: (956) 326-3068

Supplies Provided: College Board Bundle and Instructor Printed Material

Learning Outcomes:
The primary goal of this class is to ensure that all AP Biology teachers leave having an intense course of college-level biology at a high school setting. All teachers have experienced the inquiry lab components that are recommended by college board.

Description:
This intensive, 4-day course will focus on the newly redesigned AP Biology curriculum. Primary topics to be discussed will be the integration of the Four Big Ideas and the seven Science Practices into teachers’ existing curriculum. The lab component will focus on inquiry and labs from the College Board’s new lab manual. Additional topics will include the AP Audit, and the integration of biotechnology, experimental design and technology into the AP Biology course. Participants will learn how to prep the labs, to perform the labs and how to analyze the results. Biotechnology labs that may be included are BioRad’s pGLO transformation lab and gel electrophoresis. Additionally, curriculum issues such as essay grading, testing, Internet, technology and review techniques will be examined.