Course: AP Chemistry

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

Instructor: Mike Rodgers

Email: mrodgers@semo.edu

Days: Monday – Thursday

Time: 8:00am – 5:000pm

Setting: Chemistry 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:
Participants will be able to select and create course materials that address the six Big Ideas in the new Curriculum Framework. Also, participants will use active learning techniques to teach the Big Ideas in a high school classroom. Participants will convert a structured inquiry lab to a guided inquiry format.

Description:
We will make a detailed investigation of the new AP Chemistry Curriculum Framework, and explore how the Curriculum Framework relates to the new AP Chemistry Exam. We will also see how the six Big Ideas and their associated Learning Objectives relate to the seven Science Practices, and how these Practices can be expressed in guided inquiry laboratory experiences. We will examine the AP Course Audit process, with emphasis on ways teachers can create a course syllabus that will be approved in the Audit process. At least a third of our time together will be spent in the laboratory, performing labs that are suitable for use in an AP Chemistry Course. A website containing labs and many other AP Chemistry resources will be used extensively during the Institute, and available to registered participants thereafter.