

**University of Iowa Letter**  
**Calculus AB**  
**Mike Koehler**

Welcome and thank you for spending part of your summer in this professional development opportunity. Our objective is that each of you will gain additional knowledge that will assist you in teaching AP Calculus. During this training, teachers will explore the mathematical practices for AP Calculus and the components of the curriculum framework. Participants will understand how to use activities that organize the course content to develop students' proficiencies in the skills identified by the course units. We will spend time discussing lessons that focus on AP calculus topics, solving and discussing AP type problems as well as problems from AP exams, both Multiple Choice and Free Response. We will cover as many calculus topics as possible, particularly those of interest to the participants of the workshop, as well as the grading of the AP Calculus Exam. You will receive a notebook with workshop materials in addition to College Board Publications including the *AP Calculus Workshop Handbook and Resources* and *AP Calculus Course and Exam Description*.

**Topics will include the following:**

- Use of multi-representational approach to examine problems algebraically, graphically, numerically and verbally
- Use of technology to develop concepts and as a problem-solving tool
- Activities that allow students to achieve a deeper understanding of the calculus topics
- The College Board Calculus Course and Exam Description and The College Board Workshop Handbook and Resources
- Grading the AP Exam

I will be emailing you some further information about 2 weeks before the workshop so please check the email account you provided the university before the institute. I will try adjusting the workshop schedule to meet the wishes of as many participants as possible.

Thank you and I look forward to seeing you June 24.

Mike Koehler  
APSI Instructor – Calculus AB