

1106-D5-888

Stephen Kokoska* (skokoska@bloomu.edu), Dept of Math, Computer Science, & Statistics, Bloomsburg University, Bloomsburg, PA 17815. *AP Calculus: Student preparation for college mathematics.*

Many first-year college students who enroll in calculus have previous experience with this subject, most often from Advanced Placement (AP) Calculus courses. In 2014, over 400,000 AP Calculus exams were administered to students enrolled in a year-long, well-established course. The AP Calculus community is committed to student success in future mathematics courses and works closely with colleges and universities to ensure the consistency and reliability of the course. Those students who complete an AP Calculus course and are successful on the AP Calculus exam have demonstrated appropriate conceptual understanding, analytic skills, and problem solving ability. The purpose of this presentation is to summarize the goals and topics of AP Calculus and provide behind-the-scenes details about the AP Calculus Reading and the grading process. A typical free response question will be presented along with the grading standard to give a specific example of expectations. (Received September 08, 2014)