

## AP course selection in Mathematics

Question:	AB Calculus	BC Calculus	AP Statistics
Average daily out-of-class time commitment:	Approximately 30 -60 minutes a night but time commitment can vary depending on the topic and time of year.	Approximately 1 hour per night	Approximately 20 minutes. Also, there is 1 major project every quarter. The time commitment will increase during AP Exam review time in April and May.
What course(s) does this class correspond to at college?	Calculus I	Calculus I and Calculus II	It varies greatly from school to school as well as possibly from major to major. Generally it counts towards a 3-4 hour "STAT 100" college course. Resources are shared prior to AP registration for students to research the specific schools/majors they may be pursuing.
What % of students take the AP exam and what % typically "pass" (3 or better)?	85-90% take the AP exam >90% earn a 3 or better More than 1/3 of students earn a 5	>95% take the AP exam >95% earn a 3 or better >80% earn a 5	Approximately 2/3 of students take the AP Exam. Of those almost all receive a 3 or better. On average, 1 or 2 per year do not.
What are obstacles that students may encounter in this class?	Typically students run into difficulty when they fail to prepare adequately for exams. Many times, this is a new thing for our students as math has often been a topic that has come naturally to them and this is the first time that they have actually had to study for a math course.	Time management; study skills (homework completion); working collaboratively with peers outside of class	Students tend to struggle with the writing/analysis part of the course. Strong math skills are not as important as strong communication/writing skills. There is a large emphasis on using proper statistical vocabulary/terminology which takes time to become accustomed to.
What math classes has a typical student taken prior to this class?	PreCalculus 300 with a grade of C or better. Also some students come from PreCalculus 400.	PreCalculus 400 or Calculus AB	It varies greatly. Some students come from PreCalculus 300 with C grades and some have completed BC Calculus. All students can be successful if willing to put in the time/effort in the course.
What is done to prepare students to take the AP test?	<ul style="list-style-type: none"> <li>• Every test is formatted to mimic the AP exam</li> <li>• Bi-weekly AP Preview assignments</li> <li>• Periodic AP review days</li> <li>• 3 weeks of AP studying prior to exam</li> <li>• Mock AP exam</li> </ul>	Students are given a weekly AP prep assignment and 2-3 weeks of review prior to the AP exam	This is a one semester course in college so new material is completed by the beginning of April. Approximately 4 weeks during the rest of April and early May are then spent preparing for the AP Exam.