

Calculus 2 AP-AB Syllabus for Spring Semester 2009

- 1) Teacher: Mr Sullivan
- 2) Course Name The course is officially called Calculus 2 AP-AB. The class meets daily. Student Materials Each student has a copy of the text Calculus, Early Transcendentals, 5th ed. by James Stewart. (Brooks/Cole 2003) and a graphing calculator (TI-8x, $x \in \{3, 4, 6, 9\}$), graph paper.
- 3) Coverage: Prior to the AP exam we will undertake learning Chapters 6, most of Chapter 7 (omitting 7.6), several sections of Chapter 9 (9.1, 9.2, 9.4). After the AP exams the class will continue with other mathematics topics (e.g., Newton's method, more differential equations modeling.)
- 4) For specific statements about topics covered on the Calculus AP-AB exam, along with sample exam questions and solutions, hints & tips, exam dates, etc., please see the useful online site of the College Board on this here: http://www.collegeboard.com/student/testing/ap/sub_calab.html?calcab
- 5) Contact for parent/guardians: The best way for your parents to contact your teachers is via email (students may email as well): MrSullivan@sullivan-math.com. No email? Call school and ask them to leave a note in my box asking me to contact you. Please indicate good times to call. Also you may find information on the website: <http://www.sullivan-math.com>
- 6) Classroom organization: We work in assigned groups of 3, 4 or 5. Do not leave your group to work with another student or another group.! Groups will change throughout the semester. Stay current so you and your group members can be literally "on the same page" and more naturally help each other. **Do Not:** work on other work from other classes or isolate yourself by plugging in head/ear-phones, etc. Make our class meetings a hard working productive learning environment for you & your group. Do not use personal music/media players, it limits your group participation which can influence your eventual grade.
- 7) Grading: Grades are based primarily on tests and, prior to the AP exams, increasingly frequent quizzes, adjusted for homework. Tests are given about every two weeks with occasional adjustments for holidays and special schedules. The average of the adjusted test scores will determine a grades for individual marking periods that will count for 85% of the course grade with 15% coming from the pre-AP final exam, a comprehensive exam. Quizzes may also be given and will count for 10% to 20% of a regular test. Quizzes can be announced or they can be pop quizzes. The 2-week grade components are then a test grade adjusted for homework with quizzes counted as additions to the test. The lowest 2-week grade component will be dropped from the semester/final-grade average. Homework is due as a packet the day of a test, **before** the test and can add up to 2.5% to your test score. Participation and preparedness can be used to your benefit to decide close borderline grades (note: grades, borderline or not, are not open to negotiation).
- 8) Take the initiative to make up work and promptly schedule any tests missed for excused absences.

Note: changes to the above structure of organization and graded material may be made if it seems needed, e.g., random or daily homework checks if students are not doing assignments on a daily basis.