AP Calculus AB

Teacher: Mrs. Jessica Grayson
Year: 2015-2016
Book: Calculus of a Single Variable – 6e, AP edition (Larson)
               (online access: cengage.com)
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Pre-Requisites:

Pre-AP Pre-Calculus (Pre-Calculus is sufficient but you will need tutorials and a strong work ethic to catch up!)

SUPPLIES NEEDED:

Textbook (online access given)	Graph paper	Notebook paper
Pencils & Pens	Three-ring binder	Spiral (for note-taking)

A graphing calculator will be available to use during class time & during tutorials. You may purchase one for your own personal use. If you decide to purchase a graphing calculator, it is recommended that you purchase a TI-84+. On test days you will be required to use the school calculator, not your personal one. TI-89 calculators are permitted to be used in this class and on the AP exam but will not be permitted on quizzes and tests in this class due to equity issues.

COURSE DESCRIPTION

AP Calculus is the study of functions, limits, derivatives, integration and applications of these concepts. Students should have excellent Algebraic skills. Completion of this course is comparable to Calculus 1 (1st semester) at the college level and is a preparation course for the College Board Advanced Placement Exam on **May 5, 2016**.

COURSE LEARNING OBJECTIVES

Calculus students will be expected to show mastery of limits, derivatives, integration and all applications of these concepts outlined by the College Board course description guide.

COURSE GRADING

- Major = 50%
- Minor = 30%
- Daily = 20%

Please note that tests and quizzes will not necessarily be out of 100 points. This does not change how your grade is calculated. In each category, add the points you've earned, divided by the total number of points possible and then weigh each category according to the percentages above.

Students are not to come to the teacher and ask about "extra credit" to boost their grade. The teacher will always refer the student back to homework assignments that were partially complete or not done at all and other items that were under the student's control.

MISCELLANEOUS

- **Late work**:
Late work will be handled in accordance with the FISD and CHS Handbooks.

- **Re-tests**:
Re-tests will be taken in accordance with the FISD and CHS Handbooks. The math retest day is Thursday.
Note that there are no "re-quizzes".

- **Attendance:**
Attendance is critical to success in this class. If you must miss class, see the student handbook for make-up work timelines. If a student misses a day prior to a previously announced quiz or test and returns to class the day of the quiz or test, he/she **will be** required to take the quiz or test at the regularly scheduled time. This applies to both excused and unexcused absences, and school related absences.

- **Class Expectations:**

  You are expected to:
  - ➢ Not interfere with other students' right to learn or the teacher's right to teach.
  - ➢ Make effective use of time in class to work on assignments.
  - ➢ Do your own work.
  - ➢ Arrive to class with necessary materials.
  - ➢ Be respectful & polite to others.
  - ➢ Follow directions.
  - ➢ Bring necessary materials & supplies to class every day.
  - ➢ Class will be dismissed by the teacher after all materials, supplies, & equipment (ESPECIALLY CALCULATORS) are properly stored & everyone is seated.

- **Tutorial Times:**
I am available for tutorials before & after school, 8:15 – 8:45 and 4:15 – 4:45, with the exception of Tuesday afternoon, which is my duty assigned time. If for any reason I am unavailable, please see Mrs. Lee in room B208.

- **Make-Up Tests and Quizzes**:
You are expected to make up missed work quickly & according to CHS Handbook.

It's going to be a *GREAT* year!!!