

AP Calculus AB: 2016-17

Ms. Rebekah Hansen—Room D317

801.484.4343 x188

Email: rebekah.hansen@sleschools.org

Website: <http://hansenmathhhs.weebly.com/>

Course Description

AP Calculus AB is roughly equivalent to a first semester college calculus course and in AP Calculus AB, students explore the following three big ideas: (1) Limits; (2) Derivatives; and (3) Integrals and the Fundamental Theorem of Calculus.

All students enrolled in AP Calculus AB are expected to take the AP exam. A score of 3, 4, or 5 is generally worth a semester's worth of college math/calculus credit. Every student who registers for and attempts the exam will receive a number of points towards their fourth quarter test grade. Anyone enrolled in this class that does not take the AP exam will be assigned an extensive alternate test to prove mastery of the Calculus AB concepts.

There is an \$87 fee to take the AP exam; the money will be collected in mid-March. If students are on a fee waiver, there is a reduced price available; however, it should be possible for almost all students to plan ahead to save a few dollars each month towards this fee.

Course Materials

Students will need to have the following items with them in class **EVERY DAY**:

- (1) School planner (for hall pass purposes)
- (2) At least 2 pencils or erasable pens
- (3) Colored highlighters and/or pens to correct work and organize notes
- (4) 1 or 1 ½ inch binder with dividers for math notes and homework
- (5) Notebook paper and/or graph paper
- (6) Textbook

Calculator

I do have classroom calculators (scientific and TI -84 Plus) so the purchase of a calculator is not necessary; however, a graphing calculator is a wonderful investment, especially for Calculus AB students so they can get used to using their own calculator throughout the year in preparation for the exam. I recommend to students the purchase of a TI-nSpire (not the CAS version) or a TI-84 Plus. Please feel free to contact me with any further concerns/questions. There are some really great smart phone graphing calculator apps that students can use in and out of class as well; however, on tests and quizzes, phone calculators will not be allowed.

Text

Calculus: Graphical, Numerical, Algebraic 4th Edition, 2012, Pearson Prentice Hall
ISBN-13: 978-0-13-317922-4

Course Requirements

Act responsibly

Take responsibility for your person, your surroundings, and your words and actions.

Come prepared to learn

Come to class prepared with all materials. Expect to work hard, think hard, and focus on understanding and mastery of the material.

Do your own work

Both Ms. Hansen and Highland High School expect academic honesty from all students. All work must be your own. Plagiarism in any form, including but not limited to copying, cheating, or stealing will be treated as a

serious offense. The first offense warrants parental and administrative involvement, and will result in disciplinary action up to and including a zero score on the assignment.

Electronics

Cell phones are allowed in class; however they **must be used responsibly**. Texting, tweeting, snapchatting, etc. should not be happening in class at all, and cell phones must be **silent**. If cell phones become a distraction in any way, they will be taken away from the student and returned at a later time. Students are also not allowed to be listening to music during class time.

Grading Procedures

Homework

Homework will be assigned daily, due at the beginning of the following class period. Expect to spend up to an hour daily on homework assignments.

Late work

Late work will incur a 50% deduction from the student's grade on that assignment.

Extra credit

Extra credit will also be available on occasion throughout the term and must be completed in the timeline described. *Extra credit will **not** be given at the end of the term to make up credit from missing assignments or failed tests/quizzes.*

Tests

Tests will be announced in advance, they are closed book with no notes. They will be similar to the AP exam, and will not be given to students to take out of Ms. Hansen's classroom. Test corrections will be available to students to boost their test grade, and test corrections must be completed in Ms. Hansen's classroom during the assigned timeline.

Quizzes

There will be quizzes every other week, usually on Fridays, covering the content standards taught throughout the previous weeks. No quiz retakes or corrections allowed, unless otherwise specified by Ms. Hansen.

Absences

It is the student's responsibility to see Ms. Hansen, her website, or other students to see what work is missed during an excused absence and make arrangements with Ms. Hansen to get that work turned in. Unfortunately, it is Highland High School's policy that if an absence is not excused, work may not be made up.

A student has **one calendar week** to make up tests, quizzes, and assignments missed during an excused absence. After that time, the work is considered late. In the event of a prolonged absence, the student's parent or guardian should contact the teacher to arrange an appropriate due date for make-up work.

Grading scale & weighting

Final grades will be calculated on the scale below and weighted into the following categories:

A: 93-100	60%	Assessments (quizzes, tests, etc.)
A-: 90-92	40%	Assignments (classwork, homework, reflections, etc.)
B+: 87-89		
B: 83-86		
B-: 80-82		
C+: 77-79		
C: 73-76		
C-: 70-72		
D+: 67-69		
D: 64-66		
D-: 60-62		
F: 0-60		

Disclosure Statement for Ms. Hansen's AP Calculus AB Class

Fill in the following information after going through this disclosure, and turn into Ms. Hansen

As a student: It is your responsibility to come to class prepared, on task, work hard, and let other learn.

As a parent: It is your responsibility to support your student, the teacher, and help reinforce the great importance of education.

As a teacher: It is my job to make sure your student receives a good education in a safe environment. I am also available to help with any needs or concerns.

Students Name (printed): _____ Period _____

Signature of student: _____ Date _____

Parent/Guardian Name (printed): _____

Signature of Guardian: _____ Date _____

Best day time phone number* _____

please list a phone number where you can be contacted the easiest from 7am-3pm

Language(s) spoken at home _____

Any other items/issues I should be aware of

Thank you so much, I look forward to getting to know you better this year!

Ms. Hansen
Room D317