

MTH 1310
Calculus for Business and Social Sciences
Summer 2012

INSTRUCTOR: Dr. Adam Graham-Squire
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OFFICE HOURS: Monday and Thursday 2-3 PM; Tuesday, Wednesday and Thursday 10:25-11:25 AM and by appointment. Note: Office hours are subject to change.

CLASS MEETINGS: Lecture: MTWThF 11:25 AM-2:00 PM, Congdon 138

TEXT: *Applied Calculus for the Managerial, Life and Social Sciences* by Soo Tan, 8th edition.

PREREQUISITE: MTH 1010 or placement.

COURSE DESCRIPTION: An introduction to the concepts of differentiation and integration, with emphasis on their applications to solving problems that arise in business, economics, and social sciences.

ATTENDANCE: Students are expected to be in class every day and come prepared to learn and work. There will be **no make-up tests or quizzes**. Students can be placed on attendance probation if they miss two days or more, however I will **not** drop you automatically from the course for missing class. Note that High Point University does not excuse students for absences. If you know you will miss a day of class, I would appreciate it if you would let me know as it can affect my planning for the day.

CALCULATORS: You are highly encouraged to have a graphing calculator to use in class and on homework assignments. Most of us use the TI-89, but other graphing calculators are also okay.

CLASS NOTES: I provide typed up copies of my lecture notes (with some spaces blank for you to fill in) in order to spend more time in class working problems and less on lecture. The class notes closely follow the textbook, though I often use different examples in class so that the textbook can be a more useful resource. The class notes are posted to blackboard so you can catch up if you are absent.

PRACTICE PROBLEMS: Practice problems from the text are listed on the class notes. These are good problems to work when you are studying for a quiz or test, or just when you feel you need more practice with a certain topic.

HOMEWORK, QUIZZES: Quizzes will be given throughout the course, at least once a week. Homework will be online through the WebAssign program, every student is required to purchase access either through the bookstore or at the WebAssign website. The homework assignments are based on topics covered in class and will be a great aid for the tests and quizzes, so it is in your best interest to keep up with the given assignments. In general, the quiz questions will be similar to the homework problems but closer to the kinds of questions you will find on tests. You are highly encouraged to work with other students outside of class, though you are expected to write up your homework individually. Homework and quizzes are worth 30% of your final grade.

Note: Your lowest quiz and homework scores will be dropped, so don't worry if you do poorly on one.

LATE HOMEWORK: WebAssign homework assignments can be extended for one day beyond the due date, though a 10% penalty is assigned to all questions done after the due date.

TESTS: There will be 3 tests. No make-up tests will be given, and each test is worth 15% of your final grade.

FINAL EXAM: The final exam will be worth 25% of your final grade and is cumulative. It will be given on Thursday, June 28, 2012, from 1:30 to 4:30 pm.

GRADING:

I will grade on a 10 point scale with plusses and minuses assigned as I see fit:

90-100= A, 80-90= B, 70-80= C, 60-70= D, Below 60= F

Your grade will be determined as follows:

Homework: 20%

Tests: 45% total

Quizzes: 10%

Final Exam: 25%

IMPORTANT DATES:

Last day to drop with a W: June 15

Tests (approximately): June 11th, June 19th, June 26th.

Final Exam: June 28 at 1:30 pm.

HONOR CODE: All students are expected to follow the HPU Honor Code, full details of which can be found in the Student Handbook. All academic work should be done with the highest level of honesty and integrity. While it is perfectly fine to work with other students and/or tutors on homework, copying anyone else's work is not allowed.

RESOURCES:

Office hours are for you, so take advantage of them. If you cannot come to scheduled office hours and want to meet with me, do not hesitate to e-mail me and set up an appointment. There is also free tutoring at the Academic Services Center, though only individual tutoring by appointment exists over the summer. Email Dr. Craig Curty (ccurty@highpoint.edu) to arrange a time to meet with a tutor.

You should check <https://blackboard.highpoint.edu> for posted homework assignments, answer keys, old quizzes/tests, and grades. I also post class notes to blackboard, so *if you miss a day of class you are expected to print out the notes from blackboard and talk to someone else in class about the material you missed.*

STUDENTS WITH DISABILITIES:

Students who require classroom accommodations due to a diagnosed disability must submit the appropriate documentation to Disability Support in the Office of Academic Development, 4th Floor Smith Library. Student's need for accommodations should be made at the beginning of a course. Accommodations are not retroactive. Contact Rita Sullivant, Coordinator of Disability Support, rsulliva@highpoint.edu, 336-841-9061 for additional information.

SUGGESTIONS:

- Most of the material in calculus builds on what was done before, so you should stay current with the material. This means you should try to work out homework problems throughout the course of the week (as you learn the material), as opposed to doing all of the problems the night before they are due. Also, you should review the previous day's notes before you come to class so you have the material fresh in your mind. It can also help to read ahead in the textbook. Even if you do not understand all the material when you read it, you will be able to follow the lecture much more easily since you have already seen the material once.
- Pay attention and work hard during class. I call on students for answers during lecture, and also give practice problems during class. If you are not attempting to do the work in class, this will be reflected in your learning of the material (or lack thereof).