

**Math 1420-03
Calculus II
Spring 2012**

INSTRUCTOR: Dr. Adam Graham-Squire
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OFFICE: Congdon 106
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OFFICE HOURS: Monday 11:30-12:30; Wednesday 2:15-3:15 PM; Thursday 11-noon, Friday 9:30-10:30, 11:30-12:30 and by appointment. Note: Office hours are subject to change.

CLASS MEETINGS: Lecture: MWF 1:25-2:15 PM, Congdon 127; "Lab": Thursday 8-9:30 AM, Congdon 128.

TEXT: *Calculus: Concepts and Contexts* by James Stewart, 4th edition.

PREREQUISITE: MTH 1410 with a grade of C- or higher, MTH 1310 with a grade of B- or higher, or AP credit.

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.

COURSE DESCRIPTION: Math 1420 covers integration, applications of integration, sequences, series, power series, Taylor's Theorem, and elementary differential equations.

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 they 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.

HOMEWORK, QUIZZES: Quizzes will be given throughout the course, approximately every other week. Homework will be given and collected weekly. 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 25% 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: I will not accept late homework in general. Homework is collected at the beginning of class, if you are not finished with the assignment you should turn in what you have.

LABS: The "lab" day will sometimes be used for tests or lecture/problem sessions, though most days we will be doing labs. You will be allowed to work in groups but can also choose to work alone. I will give more details about the labs when I assign the first one. Labs are worth 10% of your final grade. Late labs will receive a zero, so make sure to turn them in on time. If a student is absent from a lab, they must complete the lab on their own. The second time a student misses a lab, the student will receive a zero. Your lowest lab score will be dropped.

TESTS: There will be 4 tests. No make-up tests will be given. The first and last tests are "mini-tests", each worth 5% of your total grade. The other two are each 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, April 26, 2012, at 8:30-11:30 AM. You should confirm the final exam time independently as well.

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: 15%

Labs: 10%

Final Exam: 25%

Quizzes: 10%

Tests: 40% total

IMPORTANT DATES:

MLK day (no class): Monday, January 16

Spring Break (no classes): March 5-9.

Last day to drop with a W: Friday, March 16th .

Good Friday (no class): April 6.

Easter Monday (no class): April 9.

Last day of classes: Tuesday, April 24th .

Tests (approximately): Jan. 26, Feb. 23, March 29, April 19

Final exam: Thursday, April 26, 8:30 AM

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, both walk-in and individual tutoring. Tutoring is also offered by other math instructors in Congdon Hall- more details about this later.

You should check <https://blackboard.highpoint.edu> for posted homework assignments, answer keys, and grades. I will 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 must 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).