

# Math 0230: Analytic Geometry and Calculus 2

## Student Guidelines and Syllabus

### About the Course

This is the second in a sequence of three calculus courses for science and engineering students. The goal is to prepare you to make use of calculus as a practical problem-solving tool.

### Prerequisite

Math 0220 or equivalent, with a grade of C or better.

### Text

The text for this course is James Stewart's *Essential Calculus, Early Transcendentals*, Second edition.

### Recitations

One session each week will be led by your TA in your assigned classroom where you will review problems related to the topics discussed the previous week.

### LON-CAPA Assignments and Labs

One session each week will meet in the Scientific Computing Lab in Posvar Hall (WWPH 1200A). In the lab, you will work individually on problem-solving skills, using computer-generated problem sets assigned within the LON-CAPA online homework system. Resources to help you get started with LON-CAPA can be found [here](#). Your TA will be available to help if you get stuck, but you are expected to solve all problems yourself. You may not complete all of the assigned problems during the scheduled lab sessions, in which case you are expected to complete it on your own by the deadline set by your instructor. You will be able to work on LON-CAPA problems from any computer with an internet connection and standard web browser.

### Textbook Problems

The course schedule provides a list of practice problems from the textbook associated with each topic. You are expected to solve these problems, although they will not be collected and graded. Exam and quiz problems will often be modeled on these problems.

### Quizzes

Quizzes will periodically be given. Your instructor will provide you with more details regarding format and assessment.

### Midterm Exams

Two midterm exams will be administered in class on the dates indicated in the course schedule for all day sections. Calculators will not be permitted.

### Departmental Final Exam

All day sections will take a departmental final exam on **Wednesday, December 14 from 8 - 9:50am**. Locations will be announced by the registrar at a later date. Make-up final exams will not be given unless there are exceptional circumstances. Calculators will not be permitted.

Evening sections will meet through final exam week, and the final exam will be given during the last one or two scheduled class periods.

## Grades

Your course grade will be determined as follows:

- Two midterm exams 50% (25% each)
- Final exam 30%
- LON-CAPA assignments 10%
- Quizzes 10%

Some sections may deviate slightly from this recipe. Any deviations will be announced by your instructor at the beginning of the term.

## Calculators

Though calculators are not permitted on exams, a scientific calculator is recommended for other aspects of the course.

## Getting Help

### Tutoring

Tutoring and computing assistance is available in the Math Assistance Center (MAC) on the second floor of the O'Hara Student Center and the Dietrich School Scientific Computing Lab in Posvar Hall. Hours of operation and other pertinent information can be found on the [Math Assistance Center/Posvar Computing Lab website](#). Hours will also be posted outside the MAC and the Computing Lab.

Please use the Computing Lab for help with software, including LON-CAPA technical issues, and use the MAC for assistance with mathematical concepts.

### Office Hours

Your instructor and TAs will announce their office hours at the beginning of the semester.

### Disability Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and [Disability Resources and Services](#) (DRS), 140 William Pitt Union (412) 648-7890, [drerecp@pitt.edu](mailto:drerecp@pitt.edu), (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

### Academic Integrity

Students in this course will be expected to comply with the [University of Pittsburgh's Policy on Academic Integrity](#) and the [Dietrich School of Arts and Sciences' Academic Integrity Code](#). Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.

To learn more about Academic Integrity, visit the [Academic Integrity Guide](#) for an overview of the topic. For hands-on practice, complete the [Understanding and Avoiding Plagiarism tutorial](#).