Math 0240: Analytic Geometry and Calculus 3

Student Guidelines and Syllabus

About the Course

This is the third in a sequence of three calculus courses for Engineering, Mathematics, Science and other students. The goal is to prepare you to make use of calculus as a practical problem-solving tool, and to help you see the beauty and power of mathematics.

Prerequisite

Math 0230 or equivalent, with a grade of C or better.

Textbook

The textbook for this course is Essential Calculus, Early Transcendentals, second edition by James Stewart. All students who register for this course are automatically enrolled in the RedShelf Inclusive Access program and will be charged on their Pitt student bill unless they opt out before the end of the add/drop period or thereabouts. This program provides students with discounted access to the digital version of the textbook and the publisher's WebAssign content, but only the textbook itself will be required. If you already have a copy of the textbook or would prefer to purchase it from a different source (for example, you may be able to find a used copy of the first or second edition at a lower cost), then you should opt out of Inclusive Access. You will be able to opt out by clicking on the "RedShelf Inclusive Access" link in your course on Canvas. More detailed instructions for opting out can be found here. If you do not opt out of Inclusive Access, then you will be able to access the digital textbook through a link to WebAssign in Canvas.

Recitations

Twice a week you will meet with your TA to work on and/or ask questions about Math 0240 homework and practice problems.

Homework

All graded homework will be completed online through the LON-CAPA system. Please read the LON-CAPA instructions and be careful to use the correct syntax when entering your answers. Your TA will demonstrate how to use LON-CAPA at the start of the semester.

Homework and Practice Problems

In addition to the graded homework (LON-CAPA), you are expected to complete and/or know how to do the practice problems listed for each section is here: https://www.mathematics.pitt.edu/sites/default/files/Courses_syllabi_schedules/Fall/0240scheduleF22.pdf . Although these problems will not be graded, quiz and exam problems will sometimes be modeled after them. Your instructor may also set you other homework problems and readings.

Quizzes and Midterm Exams, etc.

There will be two midterm exams, and their approximate dates are listed here: https://www.mathematics.pitt.edu/sites/default/files/Courses_syllabi_schedules/Fall/0240scheduleF22.pdf . Your instructor may also assign quizzes or other assessments throughout the semester. Your instructor will notify you of the dates and format of exams, quizzes and other assessments for your section.

Final Exam

All day sections will take a departmental final exam at a time to be scheduled by the registrar. Evening sections will meet through final exam week, and the final exam will be given during the last one or two scheduled class periods. The date and time of the final exam will be announced by your instructor. Calculators will not be permitted on the departmental final exam.

Grades

Your course grade will be determined as follows:

- Two midterm exams 50% (25% each)
- Final exam 30%
- Quizzes and online homework 20%

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

Materials

In addition to the textbook, you may find it helpful to use a scientific or graphing calculator while completing homework and practice problems. Any calculator with logarithms, exponentials, and trigonometric functions will do. Mathematica or Maple may also be a helpful tool to have on your laptop.

Getting Help

Tutoring

The Math Assistance Center (MAC) offers free tutoring by appointment, including same-day appointments for those who need immediate assistance. Appointments can be made within Pathways. The MAC offers assistance with all courses in the math department from MATH 0010 up through MATH 0413. In particular, the MAC is able to assist with all calculus courses. Please consult the MAC (Math Assistance Center Math Assistance Center (MAC) for instructions on how appointments are made and an outline of what you can expect.

Office Hours

Your instructor and TA will announce their office hours.

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 DRS www.drs.pitt.edu , 140 William Pitt Union, (412) 648-7890, drsrecep@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.

Course Policies

Academic Integrity

Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity may incur a zero score for the assessment in question. Additional sanctions may be imposed, depending on the severity of the infraction. Even during this COVID-19 pandemic, Academic Integrity policies will be enforced. If there is any doubt about the originality of a student's

submission for an assessment, they may be asked to explain their work during a one-on-one meeting with their instructor. If the student's explanations are unsatisfactory, they may receive a zero score for the assessment, or the instructor may choose to administer an alternative assessment in a different format.

Assignments and assessments are designed so that you learn by doing them, and only those resources authorized by the instructor may be used to complete them. Copying graded homework or exam answers from outside sources and other such violations of the academic integrity code will compromise your learning. Passing a course without adequately mastering the material may set you up to struggle in subsequent courses. Also, it is a violation of the academic integrity code to share any question from a graded assignment or an exam in any form. The instructor may choose to post a solution set after the assessment, but these materials written by the instructor are copyrighted, and you are not permitted to distribute them in any way. If you inadvertently have access to a shared exam or graded homework question, then you are obligated to inform the instructor. Academic integrity is not about what you can get away with; it is about personal accountability, honor, ethics, respect, trust, and fairness.

Please note, in particular, that Pitt has a data sharing arrangement with Chegg.com that enables us to identify instances in which their website has been used to cheat on assessments. Consequences of being caught in this academic integrity violation have included zero scores on assessments and F grades for the course.

Health and Safety

In the midst of this pandemic, it is extremely important that we all abide by public health regulations and University of Pittsburgh health standards and guidelines. In particular, indoors and within the classroom, we must wear a face covering:

whenever Covid-19 community levels are HIGH in Allegheny County.

For the most up-to-date information and guidance, please visit coronavirus.pitt.edu and check your Pitt email for updates before each class.

Diversity and Inclusion

The University of Pittsburgh does not tolerate any form of discrimination, harassment, or retaliation based on disability, race, color, religion, national origin, ancestry, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity or other factors as stated in the University's Title IX policy. The University is committed to taking prompt action to end a hostile environment that interferes with the University's mission. For more information about policies, procedures, and practices, see: https://www.diversity.pitt.edu/civil-rights-title-ix-compliance/policies-procedures-and-practices.

We ask that everyone in the class strive to help ensure that other members of this class can learn in a supportive and respectful environment. If there are instances of the aforementioned issues, please contact the Title IX Coordinator, by calling 412-648-7860, or e-mailing titleixcoordinator@pitt.edu. Reports can also be filed online. You may also choose to report this to a faculty/staff member; they are required to communicate this to the University's Office of Diversity and Inclusion. If you wish to maintain complete confidentiality, you may also contact the University Counseling Center (412-648-7930).

E-mail Communication

Each student is issued a University e-mail address (username@pitt.edu) upon admittance. This e-mail address may be used by your instructor and the University for official communication with students. Students are expected to read e-mail sent to this account on a regular basis. Failure to read and react to University communications in a timely manner does not absolve the student from knowing and complying with the content of the communications.

Classroom Recording

To ensure the free and open discussion of ideas, students may not record classroom lectures, discussion and/or activities not already recorded by the instructor, without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use.

Certain lectures may be recorded by the instructor, and this may include

student participation. Students are not required to participate in the recorded conversation. The recorded lecture may be used by the faculty member and the registered students only for internal class purposes and only during the term in which the course is being offered. Recorded lectures will be made available to all students in the class via Panopto videos.

Copyright

Some of the materials in this course may be protected by copyright. United States copyright law, 17 USC section 101, et seq., in addition to University policy and procedures, prohibit unauthorized duplication or retransmission of course materials. See the Library of Congress Copyright Office.