M 408D: Sequences, Series, and Multivariable Calculus

**Course Format:** Online, Self-Paced

**Course Instructor:** Jillian Fisher, M.S. Contact using the Inbox tool in Canvas.

**Course Credits:** 4

**Prerequisites:** Mathematics 408C, 408L, or 408S with a grade of at least C-; or consent of the University Extension advisor. Students must have the approval of the University Extension advisor to enroll in this course.

**How This Course Works**
This course is online and is self-paced. Exams must be taken in-person at an approved testing center. More information about taking exams is available on the University Extension website.

Students have five months from their date of enrollment in which to complete all coursework. While this course is self-paced in terms of when you complete the work and submit assignments, periodic assessments are critical to ensuring that students receive adequate support and are able to achieve the intended learning outcomes. Thus, this course is organized into modules that must be completed in order. Students will only be able to move forward once they have received a grade on all assessments within a given module.

Review the course outline and assignment descriptions carefully. Computer-graded assignments are scored immediately. You can expect to receive feedback on instructor-graded assignments within three business days following submission. This does not include weekends or holidays. Requests for expedited grading will be ignored, so please plan accordingly. During certain times (end of semester, spring break, etc.), instructors may experience higher-than-usual demands on their time and may need additional time for evaluation. Students should reach out to University Extension at uex@austin.utexas.edu with any concerns regarding grading turnaround.

If all other coursework is complete and you have requested the final exam through the course exam manager by your designated completion date, an additional 30 days will be provided for you to study for and take that exam. If the final exam has not been requested by your completion date, you will be dropped from the course.

University Extension strongly advises students to be aware of when they may need a course grade to be recorded on their transcript. It can take up to two weeks after the final exam is complete for a grade to be officially recorded with the Office of the Registrar.
Course Overview
M408D is the second course in UT’s standard first-year calculus sequence. It is directed at students in
the natural and social sciences and at engineering students. The emphasis in this course is on problem
solving, not on the presentation of theoretical considerations. While the course necessarily includes
some discussion of theoretical notions, its primary objective is not the production of theorem-provers.
M408D contains a treatment of infinite series, and an introduction to vectors and vector calculus in 2-
space and 3-space, including parametric equations, partial derivatives, gradients and multiple integrals.

Required Materials

You must also purchase a non-refundable Quest subscription for this course.

Course Organization
There are five modules containing 12 lessons, each covering 2–3 sections of book content in this course.
There is also a midterm exam and a final exam. In each lesson you will find these sections: objectives
and reading assignment, Quest learning modules, computer-graded Quest assignments, homework hint
videos, and instructor-graded book homework assignments.

You must receive a grade on all assignments in a module before the next module will open.

*Computer-Graded Assignments*
In each lesson you'll be asked to complete several Quest assignments. For each book section, there is a
Quest learning module, which is essentially a YouTube lecture with examples, and a Quest homework
assignment where you can practice lots of problems. All Quest items, whether they are learning
modules or homework assignments, will be lumped into one group in Canvas and will be worth 10% of
your course grade. Computer-graded assignments may only be taken once.

*Instructor-Graded Assignments*
There is one written homework assignment in each lesson. You can write or type up these assignments
in any way you wish, and your instructor will grade your homework and offer feedback through Canvas.

*Exams*
This course requires you to complete a midterm exam and a final exam. Both exams must be taken in a
proctored testing center. The midterm exam covers material from the first six lessons, will take 90
minutes, and is worth 35% of your course grade. The final exam is comprehensive, covering all 12
lessons. You will have 3 hours to take the final exam and it is worth 40% of your course grade. You must
pass the final exam to pass the course.
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<td>MIDTERM EXAM</td>
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**FINAL EXAM**
Grade Calculation
Your final grade for the course will be calculated as follows:

12 Instructor-Graded Assignments 15%
68 Computer-Graded Assignments 10%
Midterm Exam 35%
Final Exam 40%

You must pass the final exam to pass the course. You must also earn an overall passing grade:

A  100-93%  B+  89-87%  C+  79-77%  D+  69-67%  F  59-0%
A-  92-90%  B  86-83%  C  76-73%  D  66-63%
B-  82-80%  C-  72-70%  D-  62-60%

Getting Help
• Technical Support: uextechsupport@austin.utexas.edu
• For content questions or questions about assignment and grades, use the Inbox tool within Canvas to contact the course instructor.
• For other questions (registration, exam proctoring, transcripts, etc.), contact University Extension.

University Extension Policies
Full University Extension policies for self-paced courses may be found on the University Extension website.

Scholastic Dishonesty
Students in this course are expected to work independently, without direct supervision, and to conduct themselves responsibly in accordance with that freedom. To obtain the greatest benefit from their course work, and for the sake of everyone enrolled in our courses, students must demonstrate the willingness to exercise self-discipline, personal responsibility, and scholastic integrity.

We expect the course work and exams that you submit for course credit to be yours and yours alone. Plagiarism and other forms of scholastic dishonesty are serious academic violations that will not be tolerated. The penalties for scholastic dishonesty include the possibility of failure in the course. Scholastic dishonesty in examinations will automatically result in a grade of F on the exam and an F in the course.

University Extension Contact Information
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512-471-2900