

Math 251—Fall 2017—CRN 13757

Course Information

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| Instructor | Robert Lipshitz |
| e-mail | lipshitz@uoregon.edu |
| Office | Fenton 303 |
| Office Hours | M: 3:00–3:50, W: 12:00–1:00, F: 12:45–1:45 Subject to change. |

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| Course Prerequisites | Math 112 (with a C- or better) or satisfactory placement exam score. The most common reason for not succeeding in this course is not having mastered the background material |
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| Course Requirements | There will be written homework due roughly once a week, initially on Mondays. There is also weekly online homework, via WebWorks, also due on Mondays. There <i>will</i> be new material covered and a homework assignment due during dead week (the last week of classes). |
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| Test Dates | <i>Midterm 1</i> : October 23. Subject to change if necessary. <i>Midterm 2</i> : November 10. Subject to change if necessary. <i>Final exam</i> : per Registrar's schedule. Generally, there will <i>not</i> be makeup exams. If you are unable to attend the exam, contact me in advance to discuss whether other arrangements are possible. If you are unable to attend an exam because of an emergency, contact me as soon as possible; you will be asked to provide documentation of the emergency. |
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| Grading Policy | Written Homework | 20% |
| | Online Homework | 10% |
| | Midterm 1 | 20% |
| | Midterm 2 | 20% |
| | Final Exam | 30% |

Late homework will typically not be accepted.

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| Students with disabilities | The University of Oregon is committed to an inclusive learning environment. If you have a disability which may impact your performance on exams, please contact the Accessible Education Center to discuss appropriate accommodations. If there are other disability-related barriers to your participation in the course, please either discuss them with me directly or consult with the Accessible Education Center. |
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Course Policies:

- Cell phones, computers, etc. are not permitted in this class except by instructor's permission. (They don't bother me, but there is strong evidence they distract other students.)
- Students are expected to read the sections in the textbook *before* they are covered in class.
- Electronics, notes and the textbook are not permitted on exams.
- Written homework must be turned in at the beginning of class on the due date. (If you can't make it to class, put it in the mailbox in Fenton before class.)
- You are welcome to work on the homework together, but you must write up your final answers by yourself. Failure to abide by this policy constitutes cheating.
- Any resources you use when solving written homework problems, other than the textbook, must be cited in your homework. Failure to follow this policy constitutes cheating; if you are caught cheating on the homework you will receive a 0 for the homework portion of the class and will be reported to the administration. Failure to cite sources constitutes academic misconduct.

Course Resources:

- Textbook: *Calculus: Concepts and Contexts*, fourth edition, by James Stewart.
- We will use Canvas to track grades and post some solutions.
- Course website, with up to date syllabus and assignments:

<http://pages.uoregon.edu/lipshitz/Teaching/Fa17Ma251.html>

or

<https://goo.gl/ehHRDL>

- WebWorks site:

<https://webwork.uoregon.edu/webwork2/Math251-13757/>

Getting Help: I have office hours every week. Drop-in help is available in the math library, and the Teaching and Learning Center facilitates individual and small group tutoring. Get help as soon as you feel confused. See the course webpage for additional advice.

Course goals: The main goals of this course (learning outcomes) are:

- Understanding the intuition behind limits and continuity and being able to compute limits and test for continuity in simple situations.
- Understanding the meaning of the derivative and being able to compute the derivatives of elementary functions. ("Elementary functions" is a technical term.)
- Being able to relate features of graphs to first and second derivatives.
- Being able to use derivatives to solve optimization, related rates, and other modelling problems.

A course is more than its "learning outcomes": the goal is understanding, not the ability to perform specific manipulations.