

UMassAmherst

Multivariate Calculus, MATH 233.08
SYLLABUS SPRING 2020
Luca Schaffler

NOTE: The official course syllabus (on the official course website) here can be found here:

<https://blogs.umass.edu/burrell/files/2020/01/math233policies.pdf>

COURSE WEBSITE: <https://blogs.umass.edu/burrell/>

LECTURE: TuTh 10:00-11:15 in LGRT 219.

OFFICE: LGRT 1335G **EMAIL:** lschaffler@umass.edu

DISCUSSION SECTION: See SPIRE for time and location, by Dean Katsaros (katsaros@math.umass.edu).

HOMEWORK WEBSITE: <https://webassign.net/> (mandatory). Class Key: see Moodle.

TEXT: *Calculus, Early Transcendentals* (8th Edition: Customized Hybrid Edition) by James Stewart.

OFFICE HOURS: WTh 4-5 pm, in my office (tentative schedule).

CALCULUS TUTORING CENTER (CTC): Open MTuWTh from 10:00 am to 3:00 pm in LGRC 140 from Monday January 27. You can find me there on TBA from TBA to TBA.

COURSE DESCRIPTION: Math 233 is the third semester of the calculus sequence. It develops the extension of single-variable calculus to functions of several variables. In particular, it covers vectors in two- and three-dimensional space, partial derivatives, double and triple integrals, line integrals, and surface integrals. The culmination of the course is the generalization of the fundamental theorem of calculus: Green's theorem, Stokes' theorem, and the Divergence Theorem.

PREREQUISITE: Calculus II, MATH 132.

ATTENDANCE POLICY: PROMPT, COMPLETE ATTENDANCE is expected at all classes. Please attend the ENTIRE class; this to preserve an effective learning environment for all students. Professional courtesy toward your instructor and your classmates is expected. You will be responsible for all the materials delivered in class and your final letter grade can be affected by it.

TEST DATES: There are two midterms and a final. The first midterm is on Tuesday March 3 from 7:00 pm to 9:00 pm in TBA. The second midterm is on Thursday April 16 from 7:00 pm to 9:00 pm in TBA. The comprehensive final exam is scheduled for Tuesday May 5 in Boyden Gymnasium from 6:00 pm to 8:00 pm.

CALCULATORS AND FORMULA SHEETS POLICY: There is no required calculator for the course. You will NOT be allowed to use a calculator on exams. Absolutely no formula sheets, class notes, etc. will be allowed during final and midterm exams. Learning and memorizing formulas takes time. Do not postpone this until the last minute.

GRADING: 10% of your grade comes from the homework. 10% of your grade comes from the discussion section's quizzes. The remaining 80% comes from the two midterm and the final exam (for details, consult the course website). The grading scale can be found in the course website. **There is no rounding-up of grades in this course.**

HOMEWORK AND QUIZZES GUIDELINES: There will be homework due every week on Sunday at 11:59 pm. There will be a quiz during each discussion section. There are NO make ups for Homework or

quizzes. There are no extensions on the Homework. However, I will drop the lowest quiz score and the three lowest homework scores (to be confirmed by the course chair).

MAKE-UPS: There is a list of officially allowed reasons for missing a midterm or the final in the academic regulations (<https://www.umass.edu/registrar/sites/default/files/academicregs.pdf>). Apart from these reasons, make-ups are not allowed. By official university regulations, if you have an exam conflict you should go to the Registrar's Office for a statement of conflict. The Registrar will determine which course has precedence. You should then give their form to the instructor of the course that is required to give a make-up. Two weeks' notice is required. Failure to do this in a timely fashion may result in a zero on the examination. **For Exam 1 conflicts: notify your instructor by Tuesday, Feb 18. For Exam 2 conflicts: notify your instructor by Thursday, April 2.**

ELECTRONIC DEVICES POLICY: *You are expected to turn off your cell phone or set it to mute/silence BEFORE you enter class—every class.* Furthermore, if you use your cell phone *in any manner* during class (e.g. text messaging, games, etc.), you will be dismissed from class and will forfeit any points you might have earned in that class period. If you use your cell phone *in any manner* during a test, you have violated the academic honesty policy. (This policy also applies to LAPTOPS, iPADS and all other electronic communication and/or data storage devices.)

REMARKS, NO CLASS MEETINGS, AND OTHER DATES: Questions are encouraged at all times. Please contribute as a positive member of this learning community. See the Academic Calendar for holidays and important deadlines. (<https://www.umass.edu/registrar/calendars/academic-calendar>)

ACADEMIC HONESTY POLICY: All academic work must meet the standards contained in the Academic Honesty Policy (www.umass.edu/honesty/). Students are responsible for informing themselves about those standards before performing any academic work. This policy defends the academic integrity of all student work, and will be uniformly applied to all students in the class.

ACADEMIC ACCOMMODATION: If you have a documented (learning) disability, you should contact the Disability Services. (<https://www.umass.edu/disability/>)

DISCLAIMER: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary. It is the responsibility of the student to seek clarification of the grading policy and/or course requirements and procedures from the instructor.