

UMassAmherst

Multivariate Calculus, MATH 233.08

SYLLABUS FALL 2017

Luca Schaffler

LECTURE: TuTh 2:30-3:45 pm in Goessmann 151.

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COURSE WEBSITE: <http://people.math.umass.edu/~russell/233-F17.html>

HOMEWORK WEBSITE: <https://www.webassign.com> (mandatory). Class Key: umass 3940 2508

TEXT: James Stewart; *Calculus, Early Transcendentals*, 8th Edition, Cengage Learning.

OFFICE HOURS: Th 4:00 pm to 5:00 pm, in my office.

CALCULUS TUTORING CENTER (CTC): Open MTuWTh 10:00 am to 3:00 pm, LGRC 140. You can find me there on M 12:00 pm to 2:00 pm.

COURSE DESCRIPTION: This course is part of a 3-semester sequence (131-132-233), covering standard material on differential and integral calculus at an intermediate level: more sophisticated (and much faster moving) than high school calculus, but with less emphasis on theoretical rigor than in advanced courses such as Math 425 or Math 523. Instead the emphasis is on basic concepts, methods, and applications suitable for students majoring in engineering, natural sciences, computer science, and mathematics. Math 233 covers calculus of functions of more than one variable. Topics will include, but not limited to, vectors, partial derivatives, multiple integrals, line integrals.

PREREQUISITE: There is a prerequisite of 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 two midterms are on Tuesday October 3 and Tuesday November 7 from 7:00 pm to 9:00 pm in GSMN 064. The comprehensive final exam is scheduled for Monday December 18 from 8:00 am to 10:00 am in the Boyden Gym.

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: 12.5% of your grade will come from the homework on WebAssign. 12.5% of your grade will come from the in-class activities. 25% of your grade will come from each of the two midterms and another 25% will come from the final exam. The grading scale can be found in the course website.

MAKE-UPS: Make-up midterms (October 4 and November 8) will only be given for reasons described in the course website (Make-up exams policy). Above all, remember that you have to notify your instructor at least two weeks in advance. There are NO make ups for Homework, in-class activities, or the final. Extensions on homework will be under my discretion.

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, IPODS, 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 2017-2018 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.