

## Math 116 – Calculus II – Section 020 – Fall 2017

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**Instructor:** Michael Zieve

**Office:** East Hall 3835

**Office Phone:** 734-615-3650

**Office Hours in EH 3835:** Monday 2:00 pm – 4:00 pm

**Email:** zieve@umich.edu

**Office Hour in the Math Lab:** Monday 1:00 pm – 2:00 pm

**Class:** Monday, Wednesday, Thursday, 10:00 am – 11:30 am, Mason Hall 2436

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**Course Description:** The course presents concepts of calculus from four points of view: geometric (graphs), numeric (tables), symbolic (formulas), and verbal descriptions. Students will develop their reading, writing and questioning skills, as well as their ability to work cooperatively. Topics include techniques of integration, application of these, and an introduction to sequences and series and to differential equations.

**Text:** *Calculus: Single Variable* by Hughes-Hallett, Gleason, et al., 7th Edition, published by John Wiley and Sons. ISBN: 978-0470-88864-3

You *must* keep up with the reading assignments. Please bring your text to class every day.

**Calculator:** TI-84 or TI-Nspire or equivalent. If you have a model other than the TI-84, you will be responsible for knowing how to use it. Bring your calculator to class each day and to all exams. Note that networked devices and calculators with a “QWERTY” keyboard are not allowed for quizzes or exams.

**Other Electronic Devices:** It is a coursewide policy that laptops, smartphones, cell phones, iPods, iPads, tablets, and other electronic devices may NOT be used by students during class.

**Course Website:** <http://www.math.lsa.umich.edu/courses/116/>

This site has important information including the Student Guide and homework assignments. It will be updated with other information (e.g. exam rooms) as the semester progresses.

**Email:** You are responsible for information contained in course email messages sent to your official “umich.edu” email address. Please check your email regularly.

**Grading Policy:** All sections of Math 116 use the same grading guidelines to standardize the evaluation process. A complete explanation of the grading policy is given in the Student Guide on the course website. Look under the heading “Grading System”.

**Homework:** The only way to really LEARN mathematics is to DO mathematics.

- Along with the math you will do during class, web homework (WeBWorK) will be assigned from each section that we cover. These assignments are accessed and completed online. (There is a link on the Course Website.) In order to do well in this class, you **must** keep up with these assignments. The assignments will usually be open for about a week, and the deadlines are firm. Web homework assignments from Section 6.4 and beyond will count for 5% of the Uniform Component of your grade. (The assignments before Section 6.4 will together count as one quiz grade.) **None** of these scores will be dropped.
- In addition, you will be given regular team homework assignments, and a large portion (60%) of the Section Component of your grade will be based on these assignments. We will discuss team homework arrangements, policies, and expectations further in a later class.

**Quizzes:** There will be a quiz in class almost every week. No make-ups will be given, but I will drop your **two lowest** quiz scores when I compute your final grade. Quizzes (together with any other graded assignments not already described above) will count for 40% of the Section Component of your grade. The first quiz will be in class during the second week of class and will cover the information contained in the online course syllabus and student guide, this handout, and the online team homework tutorial.

**Uniform Exams:**

First Exam (25% of Uniform Component of grade):	Monday, October 9	6:00 - 7:30 pm
Second Exam (30% of Uniform Component of grade):	Monday, November 13	6:00 - 7:30 pm
Final Exam (40% of Uniform Component of grade):	Thursday, December 14	8:00 am - 10:00 am

Exam times are \*not\* Michigan time, and the dates for the exams are absolutely firm. Make plans NOW to be certain these dates are in your calendar. Generally, only students with a regularly scheduled class are accommodated at an alternate time. Anyone with a regularly scheduled class during these times should let me know immediately. Note that travel is *not* a sufficient excuse to have an exam scheduled on a different day. Missing an exam with an unapproved or undocumented excuse *will result in a grade penalty* in the course.

**Gateway Exams:** There are two gateway tests for Math 116 students. The first reviews differentiation and the second is on techniques of integration. Students will lose a third of a letter grade (on their grade for the course) for failing to pass the proctored first gateway during its open period and a third of a letter grade for failing to pass the proctored second gateway during its open period. Proctored gateways are administered in the gateway lab (B069 EH) and may be taken many times, but no more than twice per day. Students may practice the gateway from any computer at any time (and many times) during the open dates for the exam. More details will be available on the course website, and this will be discussed further in class.

**Academic Integrity:** According to the *LSA Community Standards of Academic Integrity*, the College “prohibits all forms of academic dishonesty and misconduct. Academic dishonesty may be understood as any action or attempted action that may result in creating an unfair academic advantage for oneself or an unfair academic advantage or disadvantage for any other member or members of the academic community.” Do NOT cheat. If you cheat in this class, you risk failing the course. If you have any questions about what is, or is not, allowed in this course, please ask.

**In Class:** You are required to come to class. Students who do not attend class rarely succeed in this course. If you must miss class for any reason, it is your responsibility to get notes from a classmate and catch up on the material. You are also responsible for the information given in any announcements made during class. A few points to remember:

- Bring your book and calculator to class every day, and come prepared to work and participate. (This includes doing the assigned reading and homework before arriving to class.)
- Participate in all class activities, including in-class group work, presentations, and discussion.
- Come to class on time and do not leave early. If for some reason you absolutely have to arrive late or leave early, please let me know in advance and do so discretely.
- Treat your peers and instructor with respect and abide by all course policies.
- Remember that no cell phones, tablets, computers, or other “gadgets” may be used in class. Texting, “Facebooking”, etc. are strictly prohibited.

**Math Lab:** Free tutoring from the Mathematics Department in East Hall B860.

Hours:	Monday through Thursday	11:00 am – 4:00 pm and 7:00 pm – 10:00 pm
	Friday	11:00 am – 4:00 pm
	Sunday	7:00 pm – 10:00 pm

**Accommodations for Students with Disabilities:** If you think you need an accommodation for a disability, please let me know as soon as possible. In particular, a Verified Individualized Services and Accommodations (VISA) form must be provided to me at least two weeks prior to the need for a test/quiz accommodation. The Services for Students with Disabilities (SSD) Office (G664 Haven Hall; <http://ssd.umich.edu/>) issues VISA forms.

**Final Note:** I look forward to working with and getting to know you all. It should be an interesting, fun, and rewarding semester. If you have any questions or concerns during the term, please do not hesitate to contact me.