

MA 113 - Calculus I Section 010
University of Kentucky, Department of Mathematics
Summer 2019 Semester
Section 010 - MTWR 10:20-12:30pm, F 10:20-11:20am CB 316

Contact Information:

Instructor: Travis Wheeler
Office: Patterson Office Tower 802
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Office Hours:

T 12:30 – 1:30 pm
W 12:30 – 1:30 pm
R 12:30 – 1:30 pm
Other times by appointment

Course Description: A course in one-variable calculus, including topics from analytic geometry. Derivatives and integrals of elementary functions (including the trigonometric functions) with applications.

Text: Calculus: Early Transcendentals, 8th edition, by James Stewart, ISBN 9781337056403 (Chapters 1-11) or ISBN 9781337030595 (Chapters 1-16). For MA 113, you only need to obtain one of either the Chapter 1-11 text or the Chapter 1-16 text. The bookstore has custom paperback editions of the textbook for UK.

- If you plan on only taking Calculus I and II (MA 113-114), then you need chapters 1-11.
- If you plan on taking Calculus I, II, and III (MA 113-114-213), then you need chapters 1-16.

You do not need to purchase a separate WebAssign access code for this course. We will use the WebWork online homework system.

Lecture Expectations: I will be presenting material on the whiteboard/chalkboard during lecture. I would encourage students to take notes during lecture, as well as ask questions. Exam/quiz questions will be based on material covered in lecture.

Purpose of Recitation: Recitation is designed to accomplish three things: 1) to improve your problem solving skills, 2) to develop your ability to work collaboratively on mathematics, and 3) to develop your ability to communicate mathematics. Towards this end, you will be working in groups of 3 or 4 students, which will be assigned by myself (will switch groups every 1 to 2 weeks). There will be problems assigned for every class period, that will be worked on in your assigned groups. These problems give you the opportunity to work with your fellow classmates, with the goal being to learn calculus collectively as a group. I will walk around and help guide discussion, as well as alleviate any confusion.

Homework: Homework will be assigned through Webwork. Homework will be assigned every week. This is a summer course: do not be surprised if you have 3 homework assignments per week.

Quizzes: 80 of the 500 points that make up your grade in MA 113 will come from quizzes. There will be 8 quizzes given throughout the semester, each worth 10 points. Quizzes will be held on both Tuesday and Thursday of each week.

Exams: There will be two midterm exams and a final exam. Each exam is out of 100pts. Tentative midterm exam dates: June 27th and July 18th. The final exam will be given during class on August 1st. If you need to make up an exam, you must provide proper documentation for an excused absence. See the Attendance and Tardy Policy below.

Calculator Policy: Calculators are allowed on quizzes and exams. You are NOT allowed to use a calculator that has a computer algebra system (CAS). TI-83, TI-84 both work perfectly fine. The TI-Nspire is also fine, as long as it isn't the version with CAS. The TI-89 is not permitted.

Attendance and Tardy Policy: I will take attendance at every class meeting. Attendance will be worth 20 points total. Students will be allowed 2 absences before losing points. For every absence after the allotted 2 absences, students will lose 5 points. If there are special circumstances that will require you to be late to class on a regular basis please contact me as soon as possible. A student will also be marked absent should they insist on continuously using electronic devices during class for activities not

related to Calculus. To be excused, you must email me or see me after class, explain the reason for the absence, and provide appropriate documentation. Please refer to §5.2.4.2 of the Student Code of Conduct for what constitutes an excused absence (<http://www.uky.edu/StudentAffairs/Code/part2.html>).

MA 113 Grading Scale:

Attendance: 20pts

Homework: 100pts

Quizzes: 80pts

Midterm Exams: 200pts

Final Exam: 100pts

Your final grade for the course will be determined as follows:

At least 450pts: A

At least 400pts: B

At least 350pts: C

At least 300pts: D

Below 300pts: E

Class Expectations: In order to promote a healthy learning environment, I expect all students to be respectful to all members of our learning community. Specifically, I ask all students to

- take notes during lecture
- restrict use of cell phones, laptops, tablets, or similar electronic devices to class-related activities,
- and actively participate in recitation activities.

Homework assignments on WeBWorK are NOT to be done during recitation. Should there be homework questions, I may answer 1 or 2 questions related to homework during recitation. However, an entire assignment is NOT to be done during class. You will be marked absent should you feel the need to do an entire assignment during recitation. I strongly encourage homework questions be emailed to me at travis.wheeler@uky.edu.

Contact/Office Hour Policy: Feel free to contact me via email. I will respond to emails between 9am and 5pm, Mon-Fri. I will attempt to respond to all emails within 24 hours. I will always be in my office during the hours stated above. Feel free to drop by during those time slots.

Writing Math in Emails: It can be a struggle to typeset mathematics in e-mails in a clear and legible manner. One tool that you can try for embedding math in your emails (To me - $\frac{\sin^2(x)-x^3}{2x+7}$ is much easier to read than $((\sin(x))^2-x^3)/(2x+7)$) is the online Google Chrome plug-in EquatIO, which allows you to type or draw/write math in a Google Doc and then export that into an email. The website for the plugin is <https://www.texthelp.com/en-us/products/equat10/>.

Course policy regarding supportive discourse: Students are not allowed to make negative comments about themselves or their mathematical ability, at any time, for any reason. Here are example statements that are now banned, along with acceptable replacement phrases.

- I can't do this → I am still learning how to do this
- That was stupid → That was a productive mistake
- This is impossible → There is something interesting and subtle in this problem
- I'm an idiot → This is going to take careful thought
- I'll never understand this → This might take me a long time and a lot of work to figure out
- This is terrible → I think I've done something incorrectly, let me check it again

The banned phrases represent having a fixed view of your own intelligence, which does not reflect the reality that you are all capable of dynamic, continued learning. The suggested replacement phrases support and represent having a growth mindset regarding your abilities and your capacity for improvement.

Students with Disabilities: If you have a documented disability that requires academic accommodations, please see your instructor as soon as possible. In order to receive accommodations in this course, you must provide your instructor with a Letter of Accommodation from the Disability Resource Center. The Disability Resource Center coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street and Huguelet Drive in the Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at drc@uky.edu and at the DRC website.

University Policy and Academic Integrity: Per University policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the University may be imposed. Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the Ombud website. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Senate Rules 6.3.1 (see Senate Rules for the current set of Senate Rules) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about a question of plagiarism involving their work, they are obliged to consult their instructors on the matter before submission. When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording, or content from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work (including, but not limited to a published article, a book, a website, computer code, or a paper from a friend) without clear attribution. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work, which a student submits as his/her own, whoever that other person may be. Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources or information, the student must carefully acknowledge exactly what, where and how he/she has employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content, and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas, which are so generally and freely circulated as to be a part of the public domain.

Non-Discrimination Statement and Title IX Information: The University of Kentucky faculty are committed to supporting students and upholding the University's non-discrimination policy. Discrimination is prohibited at UK. If you experience an incident of discrimination we encourage you to report it to Institutional Equity & Equal Opportunity (IEEO) Office, 13 Main Building, (859) 257-8927.

Acts of Sex- and Gender-Based Discrimination or Interpersonal Violence: If you experience an incident of sex- or gender-based discrimination or interpersonal violence, we encourage you to report it. While you may talk to a faculty member or TA/RA/GA, understand that as a "Responsible Employee" of the University these individuals MUST report any acts of violence (including verbal bullying and sexual harassment) to the University's Title IX Coordinator in the IEEO Office. If you would like to speak with someone who may be able to afford you confidentiality, the Violence Intervention and Prevention (VIP) program (Frazee Hall Lower Level; <http://www.uky.edu/StudentAffairs/VIPCenter/>), the Counseling Center (106 Frazee Hall, <http://www.uky.edu/StudentAffairs/Counseling/>), and the University Health Services (<http://ukhealthcare.uky.edu/uhs/student-health/>) are confidential resources on campus.

I reserve the right to alter this syllabus but not without written notification to the students.