

Math 2153.005, Calculus II Spring 2009 Course Information

Professor: Dr. Lisa Mantini, 410 Math Sciences, email mantini@okstate.edu, telephone 744-5777, web page <http://www.math.okstate.edu/~mantini>

Office Hours: M 2:30 – 4:00 PM, W 1:30 – 3:00 PM, and by appointment.

Section Times: Section 005 of Math 2153 meets TR 12:30 – 1:45 PM in CLB 112.

WebAssign Class Key: The class key for Math 2153.005 in WebAssign, our online homework system, is **okstate 3299 6377**. Students should set up their account and self-enroll for access to our section during the first week of class at <https://www.webassign.net/login.html>.

A WebAssign Self-Enrollment Guide and WebAssign Tips are available on the D2L page for our course at <https://oc.okstate.edu> (login required).

Course Objectives: The aim of this course is to continue your study of the Calculus of a function of a single variable. We will cover techniques of integration (chapter 7), applications (chapter 8), sequences and series (chapter 11), and polar coordinates and conic sections (chapter 10). This course prepares you for Calculus III and for further study in science, engineering, and mathematics.

Prerequisites: Completion of Math 2144, Calculus I, with a grade of C or better, or a grade of 3 or better on the Calculus AB AP Exam, is the prerequisite for Calculus II. The student should know the material in chapters 1–6 of Stewart's *Calculus: Early Transcendentals*, which includes differentiation and basic integration of all functions including exponentials, logarithms, and inverse trigonometric functions.

Anyone who took Math 2144, Calculus I, PRIOR TO FALL 2008 may be missing the material on exponential, logarithmic, and inverse functions, which was covered in Calculus II at that time. This material is found in sections 7.1–7.5 of the old textbook, Stewart's *Calculus*, fifth edition.

Review Lecture: I will give a lecture to review the missing material on exponential, logarithmic, and inverse functions,

Wednesday, January 14, from 7:00 – 8:30 PM, in MSCS 101.

There will be a corresponding makeup assignment in WebAssign.

Required Materials: Students are required to purchase two items: **(1)** the text, **and (2)** access to the online homework program WebAssign. The required text, new this year, is *Calculus: Early Transcendentals*, Sixth Edition, by James Stewart, in a loose-leaf custom version for OSU (with no buy-back or used purchase option). The OSU bookstore sells the text and two semesters of access to WebAssign for \$125. If you buy the book elsewhere, you are not guaranteed to be purchasing access to WebAssign as well. You may possibly buy a WebAssign access code from a student who bought two codes last semester and is not using the second one. You may also buy access to WebAssign

online directly for \$35. Students who own the old textbook, Stewart's *Calculus*, fifth edition, should note that the text sections themselves are almost identical to our current text, but with different chapter and page numbers, and that homework exercises have been edited and renumbered. Students are responsible for reading the correct material and doing the correct homework problems at all times.

Course Requirements: There are 650 total points required, as follows:

- Three midterm exams (100 points each) tentatively given on
 - Thursday, February 12;
 - Thursday, March 12;
 - Thursday, April 23.
- WebAssign Homework, worth 100 points of your final point total;
- In-class quizzes or assignments, worth 50 points of your final point total;
- Comprehensive final exam worth 200 points and given on Thursday, May 7 from 10:00 – 11:50 AM.

Grading: Preliminary grade cutoffs, which maybe lowered but not raised, are:

- 582 points (89.5%) guarantees an A in the course
- 517 points (79.5%) guarantees a B
- 452 points (69.5%) guarantees a C
- 387 points (59.5%) guarantees a D

Homework: Homework is completed on WebAssign, an online homework management and grading system. The homework problems are based on problems in the text but are modified for use in the online system: some problems are multiple choice, and some require entry of an answer using the Math Palette in WebAssign. There is a tutorial on learning to use the math palette that you might wish to try. We usually allow 5 submissions of problems with math palette answer entry, but only 2 attempts on multiple choice problems. Many problems are randomized from the corresponding problem in the text, with possibly varying coefficients or exponents, etc. You will probably want to print out the assignment from WebAssign before doing the problems by hand, then uploading answers into WebAssign for submission.

We will have a few additional written assignments or quizzes. Quizzes may not be announced in advance. Any work turned in to me in class should be on 8.5 by 11 inch pages with *no ragged edges*, stapled, and clearly legible in correct English sentences. You must show your work in order to earn full credit for any problem.

MLRC tutoring hours: The MLRC, on the Classroom Building's fourth floor, provides tutoring during the hours of MT 12–9 PM, W 12–6 PM, R 12–9 PM, and F 12–4 PM.

Calculator usage: I may not allow calculator usage on exams, but you may use a calculator while completing the homework.

Course Calendar: Here is an approximate course schedule, hopefully accurate to roughly a day or two in either direction. Generally we cover about two sections a week. I will often try to start both of those sections on Tuesday, if possible, to give your brain more time to process the ideas. It works best if you start the homework as soon as possible after I begin that section, so that you will have thought about some of the issues before we do the more difficult parts of the section and can ask questions. Homework from a given week is generally due on Wednesday of the following week by 11:59 PM, except before an Exam, when it is due on Monday. Set your computer's clock to be a bit fast! Not knowing the correct time is no excuse.

Week	Monday	Tuesday	Wednesday	Thursday
12 Jan		Intro, 7.1, 7.2		7.1, 7.2
19 Jan		7.3, 7.4 (<i>drop day</i>)	7.1–7.2 due	7.3, 7.4
26 Jan		7.5 (7.6), 7.8	7.3–7.4 due	7.8
2 Feb		8.1–8.2	7.5–7.8 due	11.1
9 Feb	8.1–8.2 due	11.1, Review		Exam 1
16 Feb		11.2, 11.3	11.1 due	11.2, 11.3
23 Feb		11.4	11.2–11.3 due	11.5
2 Mar		11.6	11.4, 11.5 due	11.7
9 Mar	11.6, 11.7 due	Review		Exam 2
16 Mar	SPRING	BREAK	NO	CLASS
23 Mar		11.8		11.9
30 Mar		11.10	11.8, 11.9 due	11.10
6 Apr		10.1	11.10 due	10.2 (<i>Fri: W deadline</i>)
13 Apr		10.3	10.1–10.2 due	10.4
20 Apr	10.3, 10.4 due	10.5, Review		Exam 3
27 Apr		8.3, 10.5		Review, 8.3, 10.5 due
6 May				Final Ex, 10-11:50 am

Drop Policy: The last day to drop the course with no grade and no fees is Tuesday, January 20. The last day to drop with a 50% tuition refund and a grade of W is Friday, January 23. The last day to drop with an automatic grade of W is Friday, April 10.

Attendance Policy: Attendance is not an official part of your course grade, but your regular attendance and the effort you show towards learning the material can have a positive influence on my decision for those whose final grades are near a borderline. You are responsible for all material covered in class and all assignments. There is a strong correlation between poor attendance and poor grades.

Makeup exams: There are no makeups on missed homework. Makeup exams will be given **only** for very serious and unavoidable extenuating circumstances and **only** if you notify me before or as soon as possible after the missed exam.

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript (F!), and being suspended from the University. See academicintegrity.okstate.edu.