

Math 2153.005, Calculus II
Course Information

Dr. L. Mantini
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Office Hours: Wednesdays and Fridays 1:00–2:30 PM and by appointment.

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

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, Differential Equations, Linear Algebra, and for further study in science, engineering, and mathematics.

Prerequisites: Successful completion of Math 2144, Calculus I, or a score of 3 or better on the AP Calculus AB exam is required. A grade of C or better in Calculus I is **very highly recommended**. Students should know the material in chapters 1–6 of Stewart’s *Calculus: Early Transcendentals*: differentiation and basic integration of all functions including exponentials, logarithms, and inverse trig functions.

Required Materials: Students must purchase: **(1)** the text, and **(2)** access to the online homework program WebAssign. The required text is *Calculus: Early Transcendentals*, Sixth Edition, by James Stewart, in a custom version for OSU. You may buy the book and WebAssign access together at the bookstore, or you may buy them separately.

WebAssign Class Key: The class key for Math 2153.005 in WebAssign, our online homework system, is **okstate 7310 4434**. Students should self-enroll for access to our section during the first week of class at <https://www.webassign.net/login.html>. On the OSU Math Department’s web site at <http://www.math.okstate.edu/webassign> you may find a WebAssign Self-Enrollment Guide and WebAssign Tips.

Course Requirements: There are 700 total points required, as follows:

- **Exams** worth 500 points, or 71.4% of your grade:
 - Exam 1, Tuesday, February 14 (100 points);
 - Exam 2, Tuesday, March 13 (100 points);
 - Exam 3, Tuesday, April 17 (100 points);
 - Final exam, Tuesday, May 1, 10:00–11:50 AM (200 points).
- **Homework and Quizzes**, worth 200 points, or 28.6% of your grade:
 - WebAssign Homework, worth 150 points of your final point total;
 - In-class quizzes or assignments, worth 50 points of your final point total.

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

- 627 points (89.5%) guarantees an A in the course
- 557 points (79.5%) guarantees a B
- 487 points (69.5%) guarantees a C
- 417 points (59.5%) guarantees a D

Homework: Homework is completed on WebAssign, an online homework management and grading system. The homework problems are modified for use in the online system: some problems are multiple choice, and some may be randomized to have different coefficients, exponents, etc., from the corresponding problem in the text. Many problems require entry of an answer using the Math Palette in WebAssign (see the tutorial). Usually multiple submissions of each answer are allowed. You should

- print out the assignment from WebAssign;
- do the problems by hand in a notebook; then
- upload the answers into WebAssign for submission and grading.

Quizzes: Quizzes will be given 4–5 times during the semester and your hand-written solutions will be graded, like on exams. Quizzes may not be announced in advance.

Attendance Policy: You are responsible for all material covered in class. I will take roll daily. You may earn up to 10 bonus points by regular class attendance, as follows:

- 10 bonus points for missing no more than 2 classes;
- 5 bonus points for missing 3 classes;
- no bonus is earned for missing 4 or more classes.

Makeup exams: In WebAssign it is possible for me to set an extension on a homework due date for you, in case of illness or other problems. I am willing to do this at most twice during the semester. There are no makeups on missed quizzes. 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.

MLRC tutoring hours: Calculus tutoring is available in the MLRC (4th floor, CLB):

- Monday, Tuesday, and Thursday from 3:00 – 9:00 PM;
- Wednesdays from 3:00 – 6:00 PM;
- Fridays from 2:00 – 5:00 PM.

Calculator usage: I may not allow calculator usage on exams, but you may use a calculator while completing the homework. You may borrow a calculator from the Math Department in MSCS 401 if you do not own one.

Drop Policy: The last day to drop with an automatic grade of W is Friday, April 6.

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.

Course Calendar: Here is an approximate course schedule, covering about two sections of the text per week. Generally you are responsible for starting the homework as soon as we start working on that section of the text.