

**Math 2153, Calculus II**  
**Course Information**

Section 009  
Spring 2013

**Instructor:** Dr. Elena Pavelescu, 528 Math Sciences

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Course materials may be found on our D2L course site at oc.okstate.edu, and our online homework system is WebAssign, webassign.net.

**Course Times:** MWF 11:30 AM – 12:30 PM in CLB 302.

**Office Hours:** Mon, Wed: 3:30 – 4:30, Thu 2 – 3 and by appointment.

**Course Objectives:** Calculus, invented more than 300 years ago by Isaac Newton and Gottfried Leibniz, is one of the greatest achievements of the human intellect. Understanding the calculus enables us to solve many problems in mathematics, science, and engineering. Our aim in this course is to ensure that you understand the concepts and tools of Calculus, that you master the skills required to use those tools, and that you will be able to apply those ideas to solve problems in many disciplines.

**Required Materials:** (1) Textbook: *Calculus: Early Transcendentals*, 2nd edition, by Jon Rogawski. We'll cover most of chapters 7, 8, 10 and 11 in the text. (2) Online homework system WebAssign (<http://www.webassign.net>). You must go online and enroll yourself in WebAssign with access to our section as soon as possible: For Section 009 use WebAssign Class Key: **okstate 1487 1947**

**Calculator usage:** Graphing calculators can be a valuable tool for investigating, learning, and applying the ideas of calculus throughout the sciences and engineering. However, facility with calculator usage is not a substitute for your own conceptual understanding or procedural skill. In this course, graphing calculator usage will be permitted on exams as long as your calculator does not have wireless or internet capability, a QWERTY keyboard, or a camera. If you do not own an acceptable graphing calculator, you may borrow one from the Math Department office without charge, starting January 7th. Free response exam questions will always require you to show all steps in calculations and to fully justify your answers. I strongly recommend that you write out homework solutions by hand, using your calculator for numerical steps and for checking your work. In class quizzes **will not allow** calculator usage.

**Course Grade:** Your grades will be periodically updates in the D2L gradebook. Your course grade is computes as follows.

- **Exams** worth 70% of your grade, consisting of 3 hourly exams and a comprehensive final exam. Your exam grade is determined in one of two ways, based on which produces a higher average:

**Option 1:** Hourly exams 15% each, Final exam 25%

**Option 2:** Hourly exams 10% each, Final exam 40%

**Section 009 Exams:** Hourly exams take place during class time in our classroom.

Exam 1, Wednesday, February 6th

Exam 2, Wednesday, March 13th

Exam 3, Wednesday, April 17th

Final Exam: **Wednesday, May 1st, 10:00 - 11:50 AM .**

- **WebAssign Assignments**, worth 10% of your grade, are online homework assignments corresponding to all sections of the text, typically due a few days after each section is covered in class. You should download and print out each assignment, write solutions in a homework notebook, and then enter solutions into the online system by the due date.
- **In Class Quizzes and Take Home Quizzes**, worth 20% of your grade. Quizzes help to check your understanding and to prepare you for exams. In class quizzes will be scheduled once a week, on Monday. No calculators are allowed during in class quizzes. Take home quizzes are designed to give you experience in presenting a correct and well-written solution. Take home quizzes will be due once a week, on Wednesday. **No make up quizzes will be allowed.** Instead, your lowest three quiz scores (take home and in class combined) will be dropped.

**Grading:** The course averages given guarantee the stated grade: 90% guarantees an A, 80% guarantees a B, 70% guarantees a C, 60% guarantees a D.

**MLSC:** The Calculus tutoring area of the Mathematics Learning Success Center, or MLSC, is on the first floor of the Edmon Low Library. The tutors can help you can help you read the text in advance, understand class notes, complete WebAssign homework problems or take home quizzes. You don't need an appointment. You can work on your assignments at one of the desks and only ask for tutor assistance when you need it. Tutoring is available during the following hours:

- Monday through Thursday 1:00 PM – 9:00 PM;
- Friday and Sunday 1:00 PM – 5:00 PM.

**Makeup exams:** 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. Documentation must be provided.

**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. Carefully read the OSU policy at <http://academicintegrity.okstate.edu/>

**Study Hints:** Developing good study habits will help you succeed.

- Come to class having read that section of the text before hand, so you are prepared to ask questions on difficult topics and to work on problems on that topic.
- Keep up with your work and get your questions answered as they arise – waiting until you have many questions (or until an exam is looming!) will make help in any form less effective. Use your classmates, the MLSC tutors, and your instructor.
- Be responsible for your own learning. Outside of class, you should be spending an average of 8 hours per week reading the text, reviewing your notes, working on homework and so on.