

Math 2163, Calculus III
Course Information

Section 005
Spring 2015

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.

Course Times: TR 2:00 PM – 3:15 PM in LSE 113.

Office Hours: Monday, Thursday: 9:30 – 10:30 AM in the MLSC Calculus tutoring room.

MLSC: The MLSC is located on the 5th floor of the Library. Calculus tutoring is free and is available Monday–Thursday 1:00–9:00 PM, Friday 1:00–5:00 PM and Sunday 1:00–9:00 PM

Text: *Calculus, 2nd. ed, Early Transcendentals*, by Jon Rogawski, with a WebAssign access code.

Course objectives: To learn multivariable calculus, where ideas from one-variable calculus are generalized to apply to functions of more than one variable. This includes analytic geometry in three dimensions and basic theory of vectors and vector calculus.

Examinations: Three in-class exams will be given on Thurs. **Feb. 12**, Thurs. **Mar. 12**, and Thurs. **Apr. 16**. A comprehensive final exam will be given on **Thursday, May 7, 2:00–3:50 PM**. Students with very serious and documented conflicts must warn me well in advance (more than one week) of the exams, and we will work out some arrangement. You are allowed to use a calculator no more powerful than a TI-89 graphing calculator, and no symbolic algebra or calculus programs. No palmtop or laptop PC's are allowed. You are required to show all steps in your solutions, and credit will be deducted if you fail to show important intermediate steps and checks. No access to notes or books will be allowed during exams.

WebAssign: The majority of the homework must be completed in the online system WebAssign. There will be on average two assignments per week, and you must devote regular effort to keep up. The assignments are organized by section in the textbook; occasionally two sections will due on the same evening. The due time will be 11:59PM on the due date. You should enroll at www.webassign.net using the class code **okstate 7203 5671**

Working problems in the textbook is also strongly recommended. Answers to the odd-numbered questions are in the back of the text, and should be read carefully. It is your responsibility to complete enough problems to be prepared for the exams.

Written Homework: Some written homework assignments will also be given and collected during the term. These will be a handful of problems on which you must practice writing all the steps out very clearly and neatly to receive any credit.

Grading: Examinations and homework are weighted according to the following system. Each in-class exam will be worth 100 points, and the final exam will be worth 200 points for a total of 500 exam points. Your WebAssign total score will be scaled to 100 course points, and written homework will be scored out of 50 points. The course total is 650 points. Students who achieve at least 585, 520, 455, and 390, are guaranteed to receive a grade of at least A, B, C, D, respectively. Depending on the score distribution, these cutoffs may be lowered.

Success: All students should complete a minimum of six hours of work each week outside attending lectures. This work is to consist of reading all sections of the book covered in class and performing all assigned homework problems and enough additional problems to make sure that you understand the material. Your outside class work is crucial to success. Seek help from the instructor, from your classmates, go to the MLSC often.

Academic Dishonesty: Any form of academic dishonesty will not be tolerated in this class. All work that you submit must be your own.

Attendance Policy: Attendance of lectures is not mandatory but it is highly recommended. Students who miss many lectures are unlikely to succeed in this course. You are responsible for all material covered in class and all announcements. Check the course D2L site regularly for course news.

Disability: If you feel that you have a disability and need special accommodations to pursue the course, the instructor and the Office of Student Disability Services will work with you to ensure that you have a fair opportunity to complete this class. Please advise the instructor of such disability before the second class period of the second week of the term.