

MATH 2163
Fall 2010 Course Information

Instructor

1. Leticia Barchini
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Course Times:

MWF 9:30 am - 10:20 am.

Text

The textbook is *Calculus (Early Transcendental)* by James Stewart in Custom Edition- OSU Mathematics. We shall cover Chapter 12 (vector and Geometry of the Space), some material from Chapter 13 (Space Curves), Chapter 14 (Partial Derivatives), Chapter 15 (Multiple Integrals), and the first four sections of Chapter 16 (Vector Calculus). Note that section 12.1 will not be covered in class, but it is assumed knowledge. The main purpose of the class is to learn how to apply the methods of calculus to functions on more than one variable.

To succeed in this class, it is essential that you attend regularly, attempt all suggested homework problems, seek help when cannot understand a topic and work through the sections of the textbook that are discussed in class. There is too much material for me to be able to cover every detail in my lecture, but you are responsible for learning everything of the sections that is discussed in class.

Homework:

We are required to use WebAssign system for homework. You will need to self-enroll online at <http://www.math.okstate.edu/system/files/self-enrollment.pdf> using the key "okstate 9597 9178"

Course Requirements

The requirements for this course are as follows:

1. Homework, worth 100 total points.
2. Three in-class exams are worth 100 points each, and will be given on the following days: Friday, September 24; Friday, October 29 and Friday, November 19.
3. A comprehensive final exam will be given on Friday, December 13, from 10:00-11:50 am, will be worth 150 points.

If you have a pre scheduled and unavoidable conflict on the date of an exam then you should let me know beforehand so that appropriate arrangements may be made. If you miss an exam for good reasons that are both unpredictable and beyond your control and you wish to make the exam up then you must contact me as soon as possible.

Grading:

The total score, T , in the class (out of 450 points) will be determined according to the formula

$$T = H + E1 + E2 + E3 + F - \text{MIN}(H, E1, E2, E3),$$

where H is the homework score, $E1, E2, E3$ are the in-class exam scores, F is the final exam score and Min denotes the minimum. An overall score of 90% or more will ensure an A, a score between 80% and 89% will ensure a B, a score between 70% and 79% will ensure a C, and a score between 60% and 69% will ensure a D.

Please observe that you need at least 405 points to get an A. Please note that even if you accumulate 300 points during the semester you need to make 105 points in the final in order to get an A.

Partial Credit: On exams the amount of partial credit will depend on how much of a problem you do correctly. On both homework sets and exams it is **extremely important** that you write down logically justified steps involved in getting your answer, not just the final answer, in order to get any credit.

Makeup Exams:

Makeup exams will be given **only** for very serious and unavoidable extenuating circumstances and only if you notify me one week in advanced. Medical reasons should be supported by a doctor certificate.

Incomplete:

A grade of I is given to a student who satisfactorily completes the majority of the course work, whose work average is a D or better, and who has been unavoidably prevented from completing the remaining work of the course. The maximum time allowed for a student to remove a grade of I is one calendar year. A student who may need to receive an Incomplete must contact the instructor. An Incomplete is not automatically given.

Academic Integrity:

Oklahoma State University is committed to the maintenance of the highest standard of integrity and ethical conduct of its members. This level of ethical behavior will be maintained in this course. participating in a behavior that violates academic integrity will result in your being sanctioned. These behaviors include, but are not limited to unauthorized collaborations and plagiarism; unauthorized advance access to examinations, cheating on examinations, or helping another person cheat; altering or destroying the work of others or fraudulently altering academic records.

You must write up your own homework solutions yourself. The following are not permitted:

1. Showing your homework solutions to another student;
2. Reading another student's homework solution;
3. Reading homework solution written by faculty or students in other semester snf/or at other universities, including posted solutions on the internet or in the instructor solution manual.