

Math 113, Fall 2008

Dr. Sarah Raynor

Textbook: Multivariable Calculus, sixth edition, James Stewart, Brooks/Cole, 2008, ISBN 0-49-501163-0

Office: Manchester 343

Office Phone Extension: 4466

Office Hours: Mondays 5-6pm, Tuesdays 5-7pm and Fridays 11am-12noon. Please feel free to come by my office at any time, but you may want to email ahead to be sure that I am available.

Email: raynorsg@wfu.edu

Course Website: <http://www.wfu.edu/~raynorsg/math113.html>

This course will also use Blackboard. You should be automatically enrolled in the Blackboard course FA2008 Multivariable Calculus MTH113 Sec A. If not, let me know ASAP.

TA: TBA.

Course: This course will cover multivariable calculus thoroughly, including vectors, differentiation, and integration, as well as the calculus of vector fields. We will cover chapters 13-17 of the text. Please note that this course will use the computer program Maple extensively. You will learn how to use the program as part of the course. Be sure that your laptop is able to run Maple and contact me ASAP if you have any problem running Maple.

Assignments: There will be three types of assignments in the course.

1. Reading Assignments: Before each lecture you will be expected to complete the assigned reading from the textbook. For each reading there will be several short response questions. These assignments will be available on the course webpage. You must complete the assignment and email your responses to me by 10:00am on the day they are due. Late responses will not receive credit. The subject of your email should be "Math 113 *Date YourName*".
2. Homework: There will be weekly problem sets. They will be posted on the course website each week on Wednesday, and due at the beginning of class the following Wednesday. Late assignments will never be accepted. Weekly homework review sessions will be held on Tuesdays from 5-7pm.
3. Group Assignments: You will be assigned to a group of 3-4 students. We will complete primarily computer-based worksheets in class on Tuesday. You must be present in class to receive credit. Class will meet in Room 245 on Tuesdays to accommodate the group worksheets.

Tests: The course will have two in-class exams. The tentative dates of the exams are Wednesday, September 24, and Wednesday, October 29. You must contact me by September 3 if you will have any conflicts with these dates. Otherwise, you may miss the exam only in the case of serious illness or emergency. The course will have a final exam at 9:00am on Saturday, December 13.

Evaluation: There are 6 components of your final grade.

- The two 50 minute in-class exams are worth 20% of your grade each, for a total of 40%.
- The three hour final exam is worth 35% of your grade.
- The daily email homework is worth 5% of your grade. It is marked for completion, not graded. You will receive extra credit towards this portion of your grade if your answer is selected as one of the best answers in the class.
- The written weekly homework is worth 10% of your grade.
- The in-class group work is worth 5% of your grade.
- Positive participation in class is worth 5% of your grade.

Important Notes

- No late assignments will be accepted, and makeup exams will not be given. Should you be forced to miss an assignment or exam due to a legitimate excuse, it will not count toward your grade. This will have the effect of making your other assignments worth more.
- When completing the weekly homework you are permitted to work with other students and to speak with myself and the TA. You are expected to write up your solutions yourself and are not permitted to copy solutions from any source, whether it be another student or a website. The same policy holds for Maple assignments. Any copying will prevent you from being properly prepared for the exams, and it is also an Honor Code violation.
- Please contact me ASAP if you will need to miss class due to a university-sponsored activity, such as athletics. Also, if you have a disability that may require an accommodation for taking this course, please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.