

MATH 2110 Calculus III Fall Semester 2011

Instructor:

Dr. Michele L. Joyner
Mathematics and Statistics Department
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Office hours: M, W: 9:00 – 10:00 and other times by appointment.

Meeting Place & Time:

M, W, F 11:30-12:25 Gilbreath, Rm. 205.
R 11:15-12:35: Lamb, Rm. 343

Course Description:

This course is an introduction to the calculus of functions of several variables, including limits, differentiation and integration, basic vector analysis and a brief exploration of Newtonian Mechanics.

Textbook:

Textbook is online at <http://math.etsu.edu/multicalc/archives/index.htm>. The author, Dr. Jeff Knisley, is working on some of the bugs in the demonstrations, so please be patient if you happen across one of these. It is suggested that you use either Internet Explorer or Chrome to view this page. There tend to be more difficulties with Firefox. Homework assignments will have some standard pencil and paper exercises as well possible Maple worksheets. Quizzes will come from homework problems.

Software:

Maple is required for this course. Maple Adoption Kit: <http://webstore.maplesoft.com>

Prerequisites:

Math 1920 (Calculus II). This means you have satisfactorily passed the course AND have a retained working knowledge of the key concepts.

Requirements and Grading:

- ◆ **Exams:** There will be four 1-hour tests worth 100 points each. Below are the tentative test dates:
 - Test 1: Thursday, September 22
 - Test 2: Thursday, October 13
 - Test 3: Thursday, October 27
 - Test 4: Thursday, November 17
- ◆ **Final Exam:** There will be one comprehensive final exam worth 100 points.
Final Exam: Monday, December 12, 3:50-5:50 p.m.
- ◆ **Homework:** This is an important part of the course. These are problems from the textbook listed beside each section. Practice is extremely important for your success in this class. You should try to work as many of the listed problems as possible before the next class period. Approximately 10 minutes at the beginning of class will be set aside for you to ask questions regarding the textbook homework assignments. It is extremely beneficial for you to have tried the problems in order to know which topics you are having difficulty with. Also note that the quiz questions (see below) will come directly from homework problems.
- ◆ **Quizzes:** There will be several quizzes given throughout the semester. Most of the quizzes will be announced; however, be aware that there *may be* some unannounced quizzes. The quiz will be graded out of a possible 10 points. The quizzes will come directly from assigned practice homework. (The lowest quiz grade will be dropped.)
- ◆ **Grading:** My grading scale is straightforward.
 - Quizzes: 12% (one quiz grade will be dropped)
 - Tests: 17% each
 - Final Exam: 20%The final letter grade will be determined by the following scale:
A (93 and above), A- (90-92), B+ (87-89), B (83-86), B- (80-82), C+ (77-79), C (73-76), C- (70-72), D+ (67-69), D (60-66), F (below 60).

Make-ups:

It is expected that you take each test on the scheduled date at the time of your class. Make-up tests will only be given at my discretion. I understand that there will be instances in which "life happens". In these rare cases, you must notify me **before** the test time (if possible) and **have a documented excuse**. By the way, "I am not ready" is NOT a valid excuse. Projects are due on the assigned day with the penalties above for any late assignments.

Attendance Policy:

Students are expected to attend every class. I do not penalize your grade if you do not attend; however, I will take attendance each class period. At the end of the semester, I will use the attendance records to determine those "borderline" grades.

University Withdrawal:

The last day to withdraw with a grade of W is **October 24, 2011**. The grade of W may affect your scholarship or financial aid, so make sure to check on this before withdrawing.

Disabilities:

Any student with a special need for an accommodation in course activities should make arrangements with me. In addition, the student must register with Disability Services in the D.C. Culp Center, telephone 439-8346.

Academic Misconduct:

Academic misconduct will not be tolerated. Any student caught in academic misconduct will receive an F for the assignment or test.

Classroom Etiquette and Additional Information:

- ◆ Turn off all cell phones and beepers.
- ◆ Arrive to class on time.
- ◆ Do not use computers during class, unless the class as a whole is participating in computer work.
- ◆ Do not carry on a conversation with fellow students during class unless working on an in-class project as it disrupts everyone's ability to learn.
- ◆ Please ask questions. Feel free to stop me during the lecture if you do not understand something. I will gladly go back over the concept or allow another student to explain the material in a way that may make more sense to you.
- ◆ I am happy to answer any emails; however, it is ETSU policy that faculty are only allowed to respond to student emails which come from ETSU goldmail.
- ◆ This class moves quickly. Do not get behind. Please come see me at the start of any difficulty.