

Math 211 – Calculus III

Fall 2010

Instructor – Dr. Fraboni

Office: PPHAC 221

Phone: x1605

mfraboni@moravian.edu

Office hours: Tuesday 1-2:30pm, Wednesday 10:30-11:30am, Thursday 2:30-4pm, or by appointment

Course Materials – The basic text is *Calculus, Sixth Edition*, by James Stewart. In addition, we will use the CAS package Maple for assignments throughout the course. The computer labs on campus have Maple available, however as an optional item you might consider purchasing a student license to work on the activities on your personal computer.

Course Goals – Students who successfully complete this course will:

1. be able to work algebraically and analytically with infinite sequences and series,
2. be able to visualize and solve geometric problems using vector analysis,
3. understand the differential and integral calculus conceptually and be able to use appropriate computational techniques to solve problems.

Exams – We will have three in class exams and a final exam. The dates for the in class exams are tentatively scheduled for Friday October 1, Friday October 29, and Monday November 22. The final exam is scheduled for Monday December 13 at 1:30pm.

If you must miss an exam it is your responsibility to contact me *in advance* to make arrangements.

Homework – Each day there will be homework assigned. Some problems will be turned in, some are just for practice. It is vital that you do all the homework problems assigned; you should keep all your work in a binder or notebook for reference. For every hour in class you should expect to spend 2 hours doing work outside of class. You cannot learn math without lots of practice!

You should have a rough draft of your homework problems prepared for the class immediately after they are assigned. Most classes will begin with an opportunity to ask questions about these problems. The final draft is due at the beginning of the following class.

Attendance – Mandatory. Regular attendance is vital. A late assignment will be graded with a reduction of 10% for each day it is late. There will be no make-up quizzes given, and make-up exams are given only in extreme, pre-approved cases. If you have to miss an exam it is your responsibility to contact me in advance. Students who are unable to attend class are responsible for all assignments and material covered in that class.

Evaluation and Grading – Grades will be computed based on the weights below:

Homework – 30% total

Exams – 15% each

Final Exam – 25%

Learning Disability Accommodations – Students who have documented learning disabilities and wish to request accommodations for this class should contact the Learning Services Department. Accommodations cannot be provided unless official documentation is received from the appropriate campus office.

Mathematics Department Academic Honesty Policy – The Mathematics Department supports and is governed by the Academic Honesty Policy of Moravian College as stated in the Moravian College Student Handbook. The following statements will help clarify the policies of members of the Mathematics Department faculty.

In all at-home assignments which are to be graded, you may use your class notes and any books or library sources. When you use the ideas or thoughts of others, however, you must acknowledge the source. You also may not use a solution manual or the help (orally or in written form) of any individual other than your instructor. If you receive help from anyone other than your instructor or if you fail to reference your sources, you will be violating the Academic Honesty Policy of Moravian College. You may work with your fellow students on homework which is not to be graded. You are responsible for understanding and being able to explain the solution of all assigned problems, both graded and un-graded.

All in-class or take-home tests and quizzes are to be completed by you alone without the aid of books, study sheets, or formula sheets unless specifically allowed by your instructor for a particular test.