

Math 211 – Calculus III

Spring 2015

Instructor – Dr. Michael Fraboni

Office: PPHAC 221

Phone: 610-861-1605

Email: frabonim@moravian.edu

Office hours: Mon/Wed: 1-2pm, Thu: 9:30-11am

Course Materials – The basic text is *Vector Calculus*, Fourth Edition by Susan Colley. In addition, we will use the CAS package Sage for assignments throughout the course.

Course Goals – Students who successfully complete this course will:

1. be able to visualize and solve geometric problems using vector analysis,
2. understand the differential and integral calculus conceptually and be able to use appropriate computational techniques to solve problems,
3. develop the capacity to utilize computer algebra software in an effective manner, recognizing when it is and when it is not helpful.

Exams – We will have three in-class exams and a final exam. The tentative dates for the in-class exams are given below. The final exam is scheduled for Monday May 4 at 8:30am.

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!

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/Quizzes (30% total)

In-class Exam 1 (15%) – Wednesday Feb 11

In-class Exam 2 (15%) – Friday Mar 6

In-class Exam 3 (15%) – Wednesday Apr 8

Cumulative final exam (25%) – Monday May 4 at 8:30am

Disclaimers – This syllabus is subject to change through the semester. Any updates to the syllabus will be announced in class. The instructor reserves the right to apply qualitative judgment in determining final grades for the course.

Learning Disability Accommodations – Students who wish to request accommodations in this class for a disability must contact Ms. Elaine Mara, assistant director of academic support services for academic and disability support, at the lower level of Monocacy Hall, or by calling 610-861-1401. Accommodations cannot be provided until authorization is received from the Academic Support Center.