Math 221 – Differential Equations

Spring 2013

Instructor – Dr. Fraboni
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Office hours: Mon, Fri 1-2pm Thu 10-11am or by appointment

Course Materials – The text for this course is *Fundamentals of Differential Equations*, eighth edition, by Nagle, Saff, and Snider.

Course Goals – After successfully completing this course you will:

- be able to identify and classify the various types of ordinary differential equations
- be proficient in several techniques needed to solve several different types of differential equations
- understand ordinary differential equations conceptually and be able to use them to model problems.

Homework – Each day there will be reading and homework assigned. It is vital that you do all the homework problems assigned. For every hour in class you should expect to spend at least 2 hours doing work outside of class. You cannot learn mathematics without lots of practice!

Exams – There will be three in-class exams and a cumulative final. The tentative dates for the in-class exams are Feb 8, March 1, and April 8. The final will be on Wednesday May 1 at 8:30am.

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 must 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.

Grading – Grades will be the result of homework, projects, and three tests. The breakdown is as follows:

Homework and projects – 25% total
In-Class Exams – 15% each
Final Exam – 30%

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 should contact the assistant director of Academic and Disability Support in the Academic Support Center. Accommodations cannot be provided until authorization is received from the Academic Support Center.

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.