

Math 170 – Calculus I

Fall 2007

Instructor – Dr. Fraboni

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Office hours: Monday 11-12, Wed 1-3, Fri 10-11

Course Materials – The basic text is Calculus, Sixth Edition, by James Stewart. In addition, all students are expected to have a graphing calculator and bring it to class. We recommend the TI-83plus; instructions will be provided on this calculator, but students who wish to use a comparable calculator may.

Course Goals – In this course you will be learning the rudiments of the mathematical language of change. In particular you will learn differentiation methods and the concepts behind them, concepts of integration and how to work with functions graphically, algebraically and numerically. You will also learn how to apply these methods to real world problems and how to discuss and present solutions to mathematical problems in written and oral form.

Evaluation and Grading – Grades will be the result of quizzes, homework, culture points, four labs, three exams, and a cumulative final exam. The breakdown is as follows:

Culture Points – 5%

Proficiency Test for Limits – 5%

Proficiency Test for Derivatives – 10%

Quizzes/Homework – 15%

Labs – 10% total

2 Exams – 15% each

Final Exam – 25%

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 – Regular attendance is vital. A late assignment will be graded with a reduction of 20% 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*.

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

Note that this syllabus may be changed throughout the semester.

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.