

Math 329 – Complex Analysis
Spring 2008

Instructor – Dr. Fraboni

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Office hours: Mon, Wed, Thu, Fri from 1:00–2:00, or by appointment.

Course Materials – The text is *Complex Variables and Applications*, by Brown and Churchill.

Course Goals – In this course you will gain an understanding of the basic techniques of Complex Analysis. In particular we will explore complex arithmetic, analytic and harmonic functions, and the structure of complex space. This course will also help to build your proof writing skills.

Evaluation and Grading – Grades will be the result of quizzes, homework, two tests, and a cumulative final. The breakdown is as follows:

Homework – 25% total

Oral Presentation – 5%

Two Tests – 20% each

Final Exam – 30%

Homework – Each day there will be homework assigned. Some problems will be turned in, some are just for practice. The problems assigned to hand in will be collected at the beginning of the class meeting. 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 at least 2 hours doing work outside of class. You cannot learn mathematics without lots of practice!

Oral Presentation – Each student will complete an in-depth research project. The results will be presented in a 15 minute oral presentation in class during the last week of school. A proposal, outline, and reference list must be completed as well.

Tests/Final – We will have two in class tests. The tentative dates for these tests are February 22, and April 4. The final exam is cumulative and will be scheduled by the registrar.

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.

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.