

Math 329 – Complex Analysis

Spring 2016

Instructor – Dr. Michael Fraboni

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Office hours: Mon/Fri 1-2pm, Wed 10-11am, Thu 11am-12pm

Course Materials – The text is *A First Course in Complex Analysis*, Version 1.5, by Beck et. al. It is available for download or to order a printed copy from this site: <http://math.sfsu.edu/beck/complex.html>.

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.

Attendance – 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.

Exams – We will have two in-class exams and a cumulative final exam. The tentative dates for the in-class exams are Feb 19, and Apr 8. The final exam is scheduled for Tuesday May 3 at 11:30am.

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 the semester. A proposal, outline, and reference list must be completed as well.

Evaluation and Grading – Grades will be the result of homework, exams, and an oral presentation. The breakdown is as follows:

- Homework – 25% total
- Oral Presentation – 5%
- Two Exams – 20% 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.

Tutoring and Academic Support – The Academic Support Center houses Disability Support and Greyhound Tutoring on the first floor of Monocacy Hall and can be reached at 610-861-1401. Greyhound Tutoring provides course-specific tutors to Moravian students, free of charge. If you would like to work with a Greyhound Tutor to boost your academic success, please request a tutor through <http://bit.ly/NeedTutorMC> (case-sensitive). Plan ahead! It takes 2-3 business days to connect you with a tutor.

Students who wish to request accommodations in this class for a disability should contact the Academic Support Center, located on the first floor of Monocacy Hall (extension 1401). Accommodations cannot be provided until authorization is received from the Academic Support Center.