

Math 411/511: Functions of a Complex Variable I
Winter 2010, MWF 11:00 - 11:50, 103 Peterson Hall
Professor Nicholas Proudfoot

Contact Information:

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Office Hours: Tuesdays and Thursdays 2:30 - 3:30 or by appointment.

Text: James Ward Brown and Ruel V. Churchill, *Complex Variables and Applications*, 8th edition. This book will be available at the Duck Store sometime during the second week of classes. You can find used copies and paperback editions (no longer available from the publisher) on various websites, and save a lot of money. If you plan to order the book on-line, please do so *immediately*.

We will cover Chapters 1, 2, 3, and 8 from the book, as well as parts of Chapters 9 and 10. (Chapter numbers refer to 6th edition; they may need to be updated when the new edition is available.) Chapters 4-7 will be covered in Math 412/512.

Exams: There will be two mid-term examinations; the first will cover Chapters 1 and 2, and the second will cover Chapters 3 and 8. (Once again, chapter numbers refer to the 6th edition, and may need to be updated.) The dates of the exams are not yet set, but you will be given *at least* one week of notice before each exam. The final exam will be held on Tuesday, March 16th, and 10:15 am, and will be comprehensive. No calculators will be permitted in any of the exams, but you may bring one page of hand-written notes.

Homework: Homework assignments will be due on Wednesdays, at the beginning of class. Late homeworks will not be accepted without previous permission. Collaboration on homework assignments is allowed and encouraged, provided that you write up your solutions independently. Copying another student's solutions, even if you worked on the problems together, is considered plagiarism.

Office Hours: I will be available in my office to answer questions on Tuesdays and Thursdays from 2:30-3:30. You are also welcome to make an appointment with me by email for another time.

Grading: Your score in the class will be determined by your final exam (40%), mid-term exams (20%) each, and homework assignments (20%). Your lowest homework assignment score will be dropped. There will be no make-up exams. If you have a legitimate reason for missing a mid-term exam (for example, if you are sick), then your final exam will count for 60% of your grade. The correspondence between numerical scores and letter grades will be determined at the end of the term.