

Math 5583
Complex Analysis, Fall 2011

SYLLABUS

Time and Place: 10:10 - 11:00 MWF – VinH 1
Text: J. W. Ward, R. V. Churchill. Complex variables and applications.
2008 McGraw-Hill, Inc. **8th Edition.**
Instructor: Sergey G. Bobkov
Office: 228 VinH (tel: 625-1840, email: bobkov@math.umn.edu)
Office hours: 11:15 am - 12:05 pm MF

5583. Complex analysis.

Background of the theory of functions of a complex variable. Algebraic operations. Analytic functions. Cauchy integral formula. Taylor and Laurent series. Residues and their applications. Transformations.

WEEK	DATES	MATERIAL (preliminary distribution)
1.	09-07 to 09-09	Chapter 1
2.	09-12 to 09-16	Chapter 2
3.	09-19 to 09-23	Chapter 2
4.	09-26 to 09-30	Chapter 3
5.	10-03 to 10-07	Chapter 3; Midterm exam 1
6.	10-10 to 10-14	Chapter 4
7.	10-17 to 10-21	Chapter 4
8.	10-24 to 10-28	Chapter 5
9.	10-31 to 11-04	Chapter 5
10.	11-07 to 11-11	Chapter 6; Midterm exam 2
11.	11-14 to 11-18	Chapter 6
12.	11-21 to 11-23	Chapter 7
13.	11-28 to 12-02	Chapter 7
14.	12-05 to 12-09	Topics from Chapter 8; Midterm exam 3
15.	12-12 to 12-14	Topics from Chapter 8; Final review

Homeworks: Suggested only, not to be turned in
Midterm exams: Monday, October 3, 2011
Monday, November 7, 2011
Monday, December 5, 2011
Final exam: Monday, December 19, 2011, 10:30 am - 12:30 pm
Composition of grade: Each midterm exam, 20% of total grade
Final exam, 40%