

MATH 206 Complex Calculus and Transformations

Semester: Spring 2004
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Exams & Grading:

- **1st Midterm Exam** (25%) 20 March 2004, Saturday
- **2nd Midterm Exam** (25%) 1 May 2004, Saturday
- **Final Exam** (30%)
- **Homework** (20%)

Course Schedule: Section-02
 Tuesday 13:40-14:30 Room EB-102
 Friday 10:40-12:30 Room EB-102

Office Hours: Wednesday 13:40-15:30

Textbook: Brown & Churchill, *Complex Variables and Applications*,
 (McGraw-Hill International Editions, 1996)

Week	Subject		
#1	Feb 9	Complex numbers (1-8)	
#2	Feb 16	Functions of a complex variable (9-16)	
#3	Feb 23	Analytic functions (17-22)	
#4	Mar 1	Elementary functions (23-29)	
#5	Mar 8	Complex integration (30-42)	
#6	Mar 15	Review Problems	M1
#7	Mar 22	Power series, residues and poles (43-59)	
#8	Mar 29	Applications of residues ((60-65)	
#9	Apr 5	Laplace Transform (66-67,+)	
#10	Apr 12	LDE with Laplace transform (+)	
#11	Apr 19	z-transform (+)	
#12	Apr 26	z-transform (+)	M2
#13	May 3	Mappings (68-83)	
#14	May 10	Applications of conformal mappings (84-92)	
#15	May 17	Applications of conformal mappings (84-92)	

Numbers in brackets denote the sections from the book around which the discussions will proceed. Italic numbers indicate that some selections will be made. + means class notes will be used. Q denotes that a quiz is scheduled for that week. M1 and M2 denote the week of the midterm exams.