MATH 206 Complex Calculus and Transformations

Semester: Spring 2003
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Course Web Page: http://www.fen.bilkent.edu.tr/~sertoz/courses/math206.htm

Exams & Grading:
- **1st Midterm Exam** (25%) 22 March 2003, Saturday
- **2nd Midterm Exam** (25%) 3 May 2003, Saturday
- **Final Exam** (30%)
- **Quizzes** (20%)

Course Schedule:

Section-01
Tuesday 10:40-12:30 Room EB-201
Thursday 10:40-11:30 Room EB-201

Section-02
Tuesday 15:40-17:30 Room B-206
Thursday 16:40-17:30 Room B-206

Office Hours: Wednesday 13:40-15:30

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

Week		Subject	
#1	Feb 4-6	Complex numbers (1-8)	
#2	Feb 18-20	Functions of a complex variable (9-16)	
#3	Feb 25-27	Analytic functions (17-22)	Q
#4	Mar 4-6	Elementary functions (23-29)	
#5	Mar 11-13	Complex integration (30-42)	Q
#6	Mar 18-20	Review Problems	M1
#7	Mar 25-27	Power series, residues and poles (43-59)	
#8	Apr 1-3	Applications of residues ((60-65)	Q
#9	Apr 8-10	Laplace Transform (66-67,+)	
#10	Apr 15-17	LDE with Laplace transform (+)	Q
#11	Apr 22-24	z-transform (+)	
#12	Apr 29-May 1	z-transform (+)	M2
#13	May 6-8	Mappings (68-83)	
#14	May 13-15	Applications of conformal mappings (*84-92*)	Q

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.