

MATH 202.01
Complex Analysis
Spring 2012-13

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Office Hours : **Thursdays 13:40-14:30** or **BY APPOINTMENT** (Please send an e-mail)
Course Schedule : Mondays 15:40-17:30, Thursdays 14:40-15:30, **Classroom**: SAZ - 02

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Course web page : <http://www.fen.bilkent.edu.tr/~mugan/courses/math202/math202.htm>

Text Books : **Main Textbook:**
Brown & Churchill, *Complex Variables and Applications*
(McGraw-Hill, New York, 1996, 6th Edition or the latest)
Supplementary Textbooks:
Bak & Newman, *Complex Analysis*
(Springer, New York, 1996)

Exams : Quizzes, Homeworks and Attendance (15 %) **(NO MAKE-UP FOR QUIZES)**
Midterm Exam # 1 (25 %), **Date: March 14, 2013, Time:18:00-20:00,**
Place: To Be Announced
Midterm Exam # 2 (25 %), **Date: April 18, 2013, Time:18:00-20:00,**
Place: To Be Announced
Final Exam (35 %), **To be announced**
75 % ATTENDENCE IS OBLIGATORY

Week	Subject	Exams
1. Feb. 4	Complex Numbers	
2. Feb. 11	Analytic Functions	
3. Feb. 18	Elementary Functions	
4. Feb. 25.	Integrals	
5. Mar. 4	Cauchy Theorem	
6. Mar. 11	Cauchy Integral Formula and Applications #1	Midterm Ex #1
7. Mar. 18	Maximum Modulus Principle	
8. Mar. 25	Power Series Expansions	
9. Apr. 1	Laurent Series Expansions	
10. Apr. 8	Isolated Singularities of Analytic Functions	
11. Apr. 15	Residues and Poles #2	Midterm Ex #2
12. Apr. 22	Evaluation of Integrals. April 22,23: No Classes	
13. Apr. 29	Improper Integrals Involving Sines and Cosines	
14. May 6	Logarithmic Residues	
15. May 13	Logarithmic Residues. May 17: FINAL EXAMS START	