MATH 202.01

Complex Analysis

Spring 2010-11

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Assistant(s) : No Teaching Assistant for this course
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Office Hours :

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 Textbook(s):
S. Ponnusamy & H. Silverman, *Complex Variables with Applications*
(Birkhuser, 2006)

Exams : Quizes, Homeworks and Attendence **(15 %)** **(NO MAKE-UP FOR QUIZES)**
Midterm Exam # 1 **(25 %) , Date: March 14, 2011, Time:18:00-20:00,**
Place: To Be Announced
Midterm Exam # 2 **(25 %) , Date: April 18, 2011, Time:18:00-20:00,**
Place: To Be Announced
Final Exam **(35 %) , To be announced**

75 % ATTENDENCE IS OBLIGATORY

Week	Subject	Exams
1. Jan. 31	Complex Numbers	
2. Feb. 7	Analytic Functions	
3 Feb. 14	Elementary Functions	
4. Feb. 21	Integrals	
5. Feb. 28	Cauchy Theorem	
6. Mar. 7	Cauchy Integral Formula and Applications #1	
7. Mar. 14	Maximum Modulus Principle	**Midterm Ex #1**
8. Mar. 21	Power Series Expansions	
9. Mar. 28	Laurent Series Expansions	
10. Apr. 4	Isolated Singularities of Analytic Functions	
11. Apr. 11	**SPRING BREAK**	
12. Apr. 18	Residues and Poles #2	**Midterm Ex #2**
13. Apr. 25	Evaluation of Integrals	
14. May 2	Improper Integrals Involving Sines and Cosines	
15. May 9	Logarithmic Residues	
16. May. 16	**FINAL EXAMS START**	