MATH 425-001
COMPLEX ANALYSIS

Selman Akbulut
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Course meets: MWF 13:50 - 14:40, A228 WH
Office Hours: MWF 12:40 - 13:40
A-335 Wells Hall (353-7997)

Complex numbers, analytic and harmonic functions, the residue theorem, contour
integrals, conformal mappings, Riemann mapping theorem, the special functions and
more advanced topics as time permits.

• “Complex Analysis” by J.Bak and D.J.Newman
  Springer. Undergrad Text in Math.
  ISBN 0-387-94756-6
  QA331.7.B35

Grading: 3 exams each counting %20, and Final exam counting %40 of the grade.
Plus some HW assignments. Rules of Academic Honesty will be strictly adhered.
Midterm exams on Sept/27/Friday, Oct/25/ Friday and Nov/22/Friday.
Final Exam: Dec/12/Thursday 12:45-2:45 PM (Regular Exam Schedule for Fall)
http://reg.msu.edu/ROInfo/Calendar/FinalExamFS13.asp
- Wednesday 08/28/2013 Classes Begin.
- Monday 9/2/2013 Holiday – University closed
- Wednesday 09/04/2013 Online open add period ends at 8 p.m.
  Last day to change to or from CR/NC or Visitor – must be done in the Registrar’s Office by 5 p.m.
- 9/23/2013 End of tuition refund period - no refund after this date.
- 10/16/2013 Middle of Semester; 8 p.m. deadline to drop full-semester courses for the fall semester with no grade reported.
- 10/16/2013 Fall 2013 Late enrollment fee ($200) begins.
  (fee waived for newly admitted and readmitted students)
- Friday 12/6/2013 Last day of classes.
- Final Exam (Regular Exam Schedule for Fall 2013)
- 12/13/2013-12/14/2013 Fall 2013 Commencements
Homework:
- Chapter 1: 1, 2, 3, 4, 7, 12, 15, 21, 26, 28
- Chapter 2: 9, 10, 12, 13, 14, 15, 19, 23
- Chapter 3: 1, 4, 5, 7, 8, 10, 14, 15, 17, 21, 22
- Chapter 4: 2, 6, 7, 8, 9, 10
- Chapter 5: 1, 2, 4, 5, 8, 15
- Chapter 6: 1, 3, 7, 8, 10, 11
- Chapter 7: 2, 8, 7, 10, 13, 19, 21
- Chapter 8: 2, 5, 8
- Chapter 9: 1, 6, 11, 15, 17
- Chapter 10: 1, 2, 3, 7, 10, 11, 12, 14, 17
- Chapter 11: 1, 2, 3, 4, 9, 13