MATH 425-001
COMPLEX ANALYSIS

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Course meets: MWF 12:40 - 13:30, A304 WH
Office Hours: MWF 11:30 - 12:30
C-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.

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

- (Recommended) “Complex Analysis” by L.V. Ahlfors
  I. Series in Pure and Applied Math (McGraw-Hill)
  ISBN 0-07-000657-1
  QA331.A45

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.

Final: Thursday- May/7 12:45-2:45
Final Examination date is posted on the Registrars website (check for updates).
http://www.reg.msu.edu/ROInfo/Calendar/FinalExamSS15.aspx
Important dates: http://www.reg.msu.edu/ROInfo/Calendar/academic.aspx

Monday – 01/12/2015  Classes Begin.
Friday – 01/16/2015 - Online open add period for Spring semester ends at 8 p.m.
Monday – 01/19/ 2015 - Martin Luther King Day - University open, classes cancelled.
Monday – 01/19/2015 - Friday 01/23/2015 - Students go to Undergraduate office, C212 Wells Hall for Mathematics enrollment changes. (Late adds, drop to lower course, section changes).
Friday – 02/06/2015 - End of 100 % Tuition Refund.
Wednesday – 03/04/2015 - Middle of Semester. Last day to drop a course without a grade being reported.
Monday – 03/09/2015 - Friday 03/13/ 2015 Spring Break
Friday – 05/01/2015  Last day of classes.
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