MATH 411
ABSTRACT ALGEBRA

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Course meets: MWF 12:40 PM - 1:30 PM, A-201 WH
Office Hours: MWF 11:30 PM - 12::30 PM
C-335 Wells Hall (353-7997)

Groups, rings, ideals, modules, fields, Galois theory.

- Text: “Topics in Algebra” by I.N. Herstein

Grading: Three exams: February 8, March 11, April 12, plus Final exam.
Final (http://www.reg.msu.edu/roinfo/calendar/FinalExamSS13.asp):
Wednesday, May 1, 10:00-12:00 noon

Important dates: http://www.reg.msu.edu/ROInfo/Calendar/Academic20102011.asp
- Monday 1/07/13 Classes Begin.
- Friday 1/11/13 Online open add period for Spring semester ends at 8pm.
  Last day to change to CR/NC or visitor at Registrar's Office by 5pm.
  Students planning on graduating for Spring or Summer of 2013 should apply by this date. (reg.msu.edu)
- Monday 1/21/13 Martin Luther King, Jr. Day. No classes are held.
- Monday 1/14/13 to Friday 1/18/13 Students go to Undergraduate Office, C212 Wells Hall for Mathematics enrollment changes. (late adds, drop to lower course, section changes).
- Friday 1/18/13 Last day to late add a course or change sections within a course.
  Last day to drop to a lower level course.
- Friday 2/01/13 End of Tuition Refund
- Wednesday 2/27/13 Middle of Semester. Last day to drop a course with no grade reported.
- Monday 3/04/13 - Friday 03/08/13 Spring Break no classes. University is open.
- Friday 4/26/13 Last day of classes.
- Final Exam Monday 4/29/2013 to Friday 5/3/2013 Final Exams (see Regular Exam Schedule).
- Friday 5/03/13 to Sunday 5/05/13 - Commencements.
0. HW

Section 1.3, p.23: 1, 8, 9, 14
Section 2.3, p.35: 1, 4, 10, 11, 20, 22, 25
Section 2.5, p.46: 1, 2, 3, 4, 5, 9, 14, 16, 18, 37, 40
Section 2.6, p.53: 2, 3, 5, 10, 21
Section 2.7, p.64: 1, 2, 5, 6, 15, 16, 18
Section 2.8, p.70: 1, 2, 3, 7, 18, also 10, 11
Section 2.9, p.74: 1, 2, 4, 8, 9
Section 2.10, p.80: 1, 3, 4, 8, 10, 27
Section 2.11, p.90: 1, 2, 8, 11, 16, 17, 18, 19
Section 2.12, p.101: 7, 8, 9, 10, 11, 15, 20, 21
Section 3.08, p.152: 1, 2
Section 3.11, p.166: 1, 7, 5, and supp problems: 1, 2, 3, 4, 5, 6, 7, 8, 15
Section 5.1, p.214: 1, 2, 4, 5, 6 (Hint: Thm 5.5.1), 9
Section 5.3, p.227: 2, 4, 5, 6, 7, 14
Section 5.4, p. 231: 2, 3, 6, 7, 9, 11
Section 5.5, p. 249: 1, 2, 3, 4, 5, 6, 7, 8, 9