

Ma 661: Algebra II

- Time and Place:** MWF 9:00 – 9:50 am in CB 347
- Instructor:** Heide G. Luerssen
- Office:** 751 POT
- Email:** heide.gl@uky.edu
- Office hours:** MWF 10:00 – 11:00 am and by appointment. You may also consult me by email.
- Web page:** see blackboard <https://elearning.uky.edu>
- Textbook:** D. S. Dummit, R. M. Foote: Abstract Algebra; 3rd edition, Jon Wiley and Sons, 2004.
- Homework:** Homework problems will be assigned about every week.
- Exams:** Midterm exam: March 9, 2012, 9:00 – 9:50 am in CB 347,
Final exam: May 3, 2012, 10:30 – 12:30 am in CB 347.
- Grades:** There are 400 total points in the course with 120 points earned on the midterm exam, 180 points on the final exam, and 100 points for solutions of the homework problems and participation in class.

Material:

After finishing the remaining parts of ring theory (Chapter 8 and 9 of the textbook), we will cover field theory and Galois theory as presented in Chapters 13 and 14 in the textbook.

Further Literature:

- S. Lang: Algebra; Springer 2002
- T. W. Hungerford: Algebra; Springer 1974 (1st edition), 2003 (Corr. 5th edition)
- N. Jacobson: Basic Algebra I, W. H. Freeman and Co. 1985 (2nd edition)