

Math 411 — Fall 2005

INTRODUCTION TO ABSTRACT ALGEBRA

Mondays & Wednesdays 2:30–3:45

- Professor: Rob Kusner, LGRT 1435G, 5-6022 (or 5-4605)
e-mail: kusner@math.umass.edu
website: www.gang.umass.edu/~kusner/class/classes.html
- My office hours are before class Monday and Wednesday (1:30–2:30) or by appointment.
- Text: Papantonopoulou, *Algebra: Pure and Applied*. We plan to cover Chapters 0–4, and possibly 14.
- Class attendance is expected.
- Homework problems will be assigned regularly, usually to be handed in and discussed Mondays.
- There will be a comprehensive final exam in December, and a midterm exam of the take-home variety between Hallowe'en and Thanksgiving.
- Grading will be based in roughly equal parts on the homework and exams.

This is the first course in algebra introducing abstract mathematical ideas and reasoning for undergraduate math majors and folks in allied fields. The main mathematical content will be GROUP THEORY AND ITS APPLICATIONS.