

SYLLABUS

Math 747 **Advanced Topics in Modern Algebra** Fall 2013

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Office Hours: M, W, F: 11:30 am – 12:00 noon, or by appointment

Text: (recommended but not required)

SERGE LANG, Algebra, Edition 3, Springer 2002, ISBN: 978-0-387-95385-4

Prerequisites: Grade B or above in Math 641 (Modern Algebra 2) or consent of the instructor.

Grading:

The course grade will be determined by:

1. homework – 300 pts. available
2. quizzes – 100 pts. available
3. three tests – 300 pts. available

The sufficient scores for each course grade are as follows:

- 400 pts. for C,
- 500 pts. for B,
- 600 pts. for A,
- 650 pts. for A+.

Schedule:

1. In the description below I assume that each week starts on Monday and ends Friday except weeks 3 and 9 that start on Wednesday and end on Friday and week 16 that consists of Monday only. The week of thanksgiving break is between weeks 14 and 15.
2. New material will be introduced during weeks 1–4, 6–9, and 11–14. The other weeks will be for review and testing. In particular, after the thanksgiving break there will be only review.
3. The tests will be given on Fridays of weeks 5 and 10 (September 20 and October 25) and on the last day of classes, Monday, December 10. Each of them will be worth 100 pts.
4. Quizzes will be given each Monday of weeks 2, 4, 5, 7, 8, 10, and 12–14 and on Wednesday of weeks 3, 9 and 15 (September 2, October 16 and December 4). The material for the quiz consists of what was covered during the previous week. Each quiz will be worth 10 pts. Two worst quiz scores will be dropped.
5. Homework will be assigned after (almost) each class (10 pts. for each assignment) and will be due on the day of the following class for full credit. Half of the credit can be earned if the assignment is submitted by the day of the subsequent class with no credit given for any later submission. The submission can be electronic to the e-mail address listed above. Note that it is the mix e-mail address (**not** the departmental one). The paper version can be handed in class or left on the door of the office (by 1pm). Remember to include the **name**, the **course** number and the **assignment** number at the top of the first page. The deadline for electronic submission is 8am of the day following the deadline for the paper submission.