Math 625 — Theory of Associative Rings
Fall 2014

Instructor Information

Instructor:	Ben Salisbury, Assistant Professor
Website:	`http://people.cst.cmich.edu/salis1bt`
Email:	`ben DOT salisbury AT cmich DOT edu`
Office:	Pearce 206H
Office Hours:	Tuesdays and Wednesdays 2–3:30pm, and by appointment

Course Information

Meeting Times:	TuTh 9:30–10:45am in Pearce 223
Course Text:	D. Dummit and R. Foote, *Abstract Algebra*, third edition, John Wiley & Sons Inc., Hoboken, NJ, 2004.
Additional References:	S. Lang, *Algebra*, third edition, Graduate Texts in Mathematics, vol. 211, Springer-Verlag, New York, 1997. N. Jacobson, *Basic algebra I*, second edition, W. H. Freeman and Company, New York, 1985. T. Hungerford, *Algebra*, Graduate Texts in Mathematics, vol. 73, Springer, New York, 1974.
Webpage:	`http://people.cst.cmich.edu/salis1bt/courses/mth625f14/index.htm`

Objectives: Lectures will cover most of Part II (Ring Theory) and Part IV (Field Theory and Galois Theory) in the textbook. Some sections and examples may be reading assignments. Students are responsible for understanding these reading assignments and take the initiative to communicate with the instructor if any difficulty occurs.

Homework. Homework will be assigned every Thursday starting with the first week of class, and will be collected each subsequent Thursday in class starting the second week. Late homework will *not* be accepted. Moreover, for those of you who would like to use LaTeX to prepare your homework, I will post a template file on Blackboard for each assignment from which you may build your work.

Exams. There will be one midterm exam on October 2, and a final exam on Tuesday, December 9, 10:00–11:50am. Absolutely no make-up exams will be given without prior permission of the instructor. Validity of excuses is determined by the instructor. If an emergency happened on an exam day, a notice within 24 hours is required in order to make up the missed exam. No calculators are allowed in midterms and final exams.

Grading Breakdown

Homework	Weekly	50%
Midterm Exam	Thursday, September 25, 2014, in class	20%
Final Exam	Tuesday, December 9, 2014, 10am–11:50am	30%

Important: There are no make-ups for exams. In the event of an extreme emergency, an exception to this policy may be made. However, this exception is at the discretion of the instructor.

Additional Notes

- No attendance will be taken in class *but* you are responsible for knowing the material, assignments, and anything else presented and announced in class. While attendance in class is (theoretically) optional, be advised that your grade will most assuredly suffer from repeated absence from the lectures.

- Blackboard will be incorporated to some extent in this course. If you have an technical issue related to Blackboard, please contact the OIT Help Desk at (989) 774-3662, `http://helpdesk.cmich.edu`, or `helpdesk@cmich.edu`.

- CMU provides students with disabilities reasonable accommodation to participate in educational programs, activities, or services. Students with disabilities requiring accommodation to participate in class activities or meet course requirements should first register with the office of Student Disability Services (120 Park Library, telephone: 989-774-3018, TDD 989-774-2568), and then contact me as soon as possible.