MATH 3613: INTRODUCTION TO MODERN ALGEBRA

Syllabus
(Fall, 2010)

Meetings: MWF, MSCS 445, 9:30-10:20am

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Office Hours: Tu-Thur, 1:30-3:00pm, MSCS 502B, (or by appointment)

Text: *Modern Algebra: An Introduction*, Sixth Edition
by John R. Durbin
John Wiley & Sons,Inc. 2009
ISBN:13 978-0470-38443-5

ABOUT THE BOOK: Our plan is to cover most of the materials in Chapters I-VI, VIII, and XII.

There are two goals for the course:

- **Goal 1.** To become better acquainted with the logical structure of mathematics: undefined terms, axioms, understanding definitions, and learning to prove theorems.
- **Goal 2.** Learn about certain algebraic structures and use their study to develop Goal 1.

EVALUATION:
Exams: There will be three Exams. The last will be during the final exam period and will NOT be comprehensive. Each Exam will have two parts: An in-class part and a take-home part; each part will have a value of 100 points. The plan is to have EXAM 1 cover the materials of Chapter I-III; Exam 2 cover the materials of Chapters IV and V; and Exam 3 cover the materials of Chapters VI, VIII, and XII.
Subtotal: 600 points

Homework: There will be HW assigned each week. HW assigned in week n is due on Monday of week $(n + 1)$. One problem will be collected and graded. Each HW will count 20 points and we should have a total of 15 HW assignments. HW is an important tool for learning, a substantial part of the course grade, and an easy part to achieve. Late HW will be discounted, 5 points per day.
   Subtotal: 300 points

   Total: 900 points

Final Grade: A (90-100%); B (80-89%); C (70-79%); D (60-69%). If you have these percentages, then you are guaranteed the corresponding grade; however, there will be possibilities to improve your grade by extra credit problems on tests and the possibility of curving at the end of class.

Study guides will be available before each exam and there will be a short in-class review the meeting before exams.

NOTES:

(1) General University Information is available at:
   http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Fall.htm

(2) Changes may be made to this syllabus as course progress dictates. Any changes will be announced in class and (if possible) via e-mail.