

SYLLABUS
MATH 641 (Modern Algebra 2)
Spring 2007

Instructor: Dr. Jerzy Wojciechowski

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Class Hours: M, W, F 11:30 am – 12:20 pm in 313 Armstrong

Office Hours: M, W, F 10:20 am – 10:50 am, or by appointment

Text: THOMAS W. HUNGERFORD **Algebra**, Springer, ISBN 0-387-90518-9, ISBN 3-540-90518-9

CONTENT:

1. Chapter IV: Sections 1, 2, and 6.
2. Chapter V:
 - (a) Review of sections 5 and 6 from Chapter III,
 - (b) sections 1–3 (without appendices),
 - (c) Definition 4.1, Theorem 4.2 and 4.12,
 - (d) Section 5 through Theorem 5.3,
 - (e) Theorem 6.2,
 - (f) Section 7 omitting Proposition 7.7–Corollary 7.9,
 - (g) Theorem 8.1,
 - (h) Section 9 through Corollary 9.5
3. Chapter VI: Section 1

COURSE GOALS:

1. Understanding the definitions and results, and being able to reproduce the proofs concerning the material listed above.
2. Being able to solve problems concerning material listed above.

STUDENT EFFORT:

1. Attend all classes. Taking good notes helps you to be an attentive and active participant and your notes can serve as a good study guide. Students absent from classes for any reason are responsible for the material presented.
2. Read the textbook. This will provide further explanation and additional examples.

3. Work the assigned problems.
4. Consult the instructor and/or other students in the class whenever you have difficulty understanding a part of the material. If you cannot come during the office hours, do not hesitate to schedule an appointment. Feel free to interrupt the instructor and ask any questions during the class.

GRADING:

The course grade will be determined by weekly homeworks (70%) and final exam (30%).

Final exam: Thursday 05/03, 8:00 am – 10:00 am, 313 Armstrong Hall.