

Syllabus – Math 101 Section 5 – Spring 2008

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Office Hours: Monday & Wednesday 12-13, Tuesday & Thursday 11-12

Time: Tuesday & Thursday 12:00-13:15
Room: 310 Fitzelle Hall
Text: *A Survey of Mathematics with Applications*, 7th edition,
Angel, Abbott, and Runde, Addison-Wesley

Catalog Description: Sets, logic, number theory, algebra, combinatorics, probability, statistics, coordinate geometry. Not open to Mathematics or Secondary Mathematics majors.

Goals: Understand of basic mathematical concepts as described above, and develop quantitative and analytical reasoning skills.

Attributes: LA, CPA, M2

SUNY Learning Outcome: Students will show competence in the following quantitative reasoning skills: arithmetic, algebra geometry, data analysis, and quantitative reasoning.

Grading Policy: Your grade will be determined by the following:

- Two midterm exams, each worth 25% of your grade.
- Quizzes, given approximately every two weeks and worth a total of 25% of your grade.
- The final exam, 25% of your grade.

Your final grade will be assigned according to the following scheme:

A	$92 \leq x \leq 100$	B ⁻	$80 \leq x < 82$	D ⁺	$67 \leq x < 70$
A ⁻	$90 \leq x < 92$	C ⁺	$77 \leq x < 80$	D	$62 \leq x < 67$
B ⁺	$87 \leq x < 90$	C	$72 \leq x < 77$	D ⁻	$60 \leq x < 62$
B	$82 \leq x < 87$	C ⁻	$70 \leq x < 72$	E	$0 \leq x < 60$

Course Outline: We will cover Chapters 2, 3, 5, 6, 7, 9 and 10 from the text. Below is a tentative schedule.

17 - 29 Jan Chapter 2: Sets
31 Jan - 12 Feb Chapter 3: Logic
14 Feb Chapter 5: Number Theory & the Real Number System
19 - 21 Feb **No class**
26 Feb - 6 Mar Chapter 5, continued
11 Mar Exam 1 review
13 Mar **Exam 1**
18 - 20 Mar Chapter 6: Algebra, Graphs & Functions
25 - 27 Mar **No class**
1 - 10 Apr Chapter 7: Systems of Linear Equations and Inequalities
15 Apr Exam 2 Review
17 Apr **Exam 2**
22 - 24 Apr Chapter 9: Geometry
29 Apr - 1 May Chapter 10: Mathematical Systems
6 May Final Exam review

Calculators: You are allowed to use *your own* calculator on all quizzes and exams. The use of any other device (*e.g.*, cell phones) is strictly prohibited.

Attendance: Please come to class regularly and on time. Any material missed due to an unexcused absence is the responsibility of the student.

Students missing 25% or more of class, any time from the second week of class up until the last day to withdraw from an individual course may be removed from the course by the instructor.

A word of advice: The best way to learn mathematics (or anything else) is to actively engage in the subject, by working out problems and discussing ideas with others. You are strongly encouraged to use our time together in class for this purpose. Read the relevant sections of the book *before* we cover it in class, so that you can ask questions.