Syllabus

Math 3301 Spring 2006

Instructor: William Scott
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Office hours: MW 1:00-2:00, TR 4:00-5:00 or by appointment
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Textbook: Mathematics for Teachers, 3rd Ed., Sonnabend

Lab: Math Learning Center MC 2.412 (library) Phone: (972) 883-6707

Hours: MTWR 10am-8pm, FS 10am-2pm. Individual tutorials are available by appointment.

Course Description: This course will examine core concepts in school mathematics from an advanced perspective with a view to deepening the future teacher's understanding. Topics covered include: sets and functions, computational algorithms, the use of algebraic axioms in problem solving, fundamental ideas in geometry and measurement.

Grading:	Midterms	60%
	Homework	10%
	Final Examination	30%

Examinations: There will be two midterm examinations and a comprehensive final.

First Midterm	Feb. 13
Second Midterm	Mar. 27
Final Exam	May 1, 7:00 pm

There are no make-ups except under extraordinary circumstances.

Homework Assignments

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In order to succeed in this class, it is necessary to do many problems. Below is a list of problems for the course.

1.1: # 1-21 odd
1.2: # 1-31 odd
1.3: # 1-21 odd
1.4: # 1-59 odd
1.5: # 1, 11, 15, 17, 18, 21
1.6: # 3, 5, 7, 9, 15, 17, 19, 23, 26
2.1: # 1-29 odd, 31, 37
2.2: # 1-25 odd, 29-37 odd
2.3: # 1-25 odd
3.1: # 16-22 all
3.2: # 1-22 all
3.3: # 1-34 all
3.4: # 1-33 odd
4.1: # 1-31 odd
4.2: # 1-31 odd
4.3: # 11-14 all, 20-22 all
5.1: # 1-45 odd
5.2: # 1-27 odd
5.3: # 1-23 odd
Problems for 6.1-6.4 and for 7.1-7.6 will be handed out in class