MATH 111 Section 04
Fall 2007 TR 8:15am-9:30am
Quinlan 129
Dr. Chad A.S. Mullikin

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General Information : Lectures will be held TR from 8:15am until 9:30am in Quinlan 129. There will be some class time allowed for solving problems. However, it may be the case that this is not sufficient. If you need more help you are *encouraged* to come talk to me during my office hours.

Office Hours : My office hours (AB 270) will be as follows (or by appointment):

Monday	8:00am-10:00am and 1:00pm-2:00pm
Tuesday	10:00am-11:00am
Wednesday	11:10am-2:10pm
Thursday	10:00am-11:00am
Friday	8:00am-10:00am.

Textbook : <u>Precalculus - Functions and Graphs</u> 10th ed., Swokowski/Cole.

Course Description : Analytic geometry; the concept of function with analysis of polynomial, rational, exponential, logarithmic, and trigonometric functions, their properties, graphs, and use in applied problems. Prerequisite: Satisfactory performance on mathematics placement examination or equivalent demonstrated proficiency.

Course Goals : This course is designed to help improve critical thinking and problem solving skills. Finding an answer to a problem is not always as valuable as the path taken to the solution. By studying topics such as the properties and applications of functions, the student will develop necessary skills related to overcoming complex problems. In addition, this course is designed to prepare students for a first course in differential calculus (MTH 121).

Course Objectives : It is the hope that this course will make students more comfortable with basic mathematical definitions and applications. See the schedule below for specific topics.

Homework : It is critically important that a student of mathematics work problems. Simply following along in class is rarely sufficient. At the beginning

of each week I will assign homework that will help solidify ideas. **In order to learn mathematics it is important that you work problems!** It is from these homework exercises that I will pull material for the exams.

Exams : There will be four closed book in class exams as well as a cumulative final examination. The in class exams will consist of roughly 6 or 7 problems typical of the homework. You may use a scientific calculator on each exam. Calculators that perform symbolic manipulation or that are programmable are *not* allowed. The tentative dates for these exams are as follows.

Test 1: September 6$^{\text{th}}$ 2006
Test 2: October 4$^{\text{th}}$ 2006
Test 3: October 25$^{\text{th}}$ 2006
Test 4: November 20$^{\text{th}}$ 2006
Final Exam: December 3$^{\text{rd}}$ 2007 9:00 - 11:00 am

Attendance : Attendance is required. *Any student with a valid excuse for missing an exam must obtain permission to reschedule well before the examination date.* Please let me know of any conflicts immediately. If you have an unscheduled absence and would like to make up any work that is missed, you will need to contact Ms. Anna Gaw in Student Academic Services and provide her with documentation. She will notify me if the absence is excused. In short, it is up to Student Academic Services whether or not your absence is excused, not me.

Grading : The assignments are weighted as follows:

Tests :60%

Final Exam :40%

Letter grades are awarded according to the following:

$$97 \leq \textbf{A+}$$
$$93 \leq \textbf{A} < 97$$
$$90 \leq \textbf{A-} < 93$$
$$87 \leq \textbf{B+} < 90$$
$$83 \leq \textbf{B} < 87$$
$$80 \leq \textbf{B-} < 83$$
$$77 \leq \textbf{C+} < 80$$
$$73 \leq \textbf{C} < 77$$
$$70 \leq \textbf{C-} < 73$$
$$67 \leq \textbf{D+} < 70$$
$$63 \leq \textbf{D} < 67$$
$$60 \leq \textbf{D-} < 63$$
$$\textbf{F} < 60$$

Withdrawal : Only under extreme circumstances will I award a student a W or WF after the deadline. These grades are reserved for students who for some reason cannot complete the remainder of the course, i.e., students who are physically unable to return to the classroom.

Accommodations : Students who want to receive disabilities accommodations should contact Mrs. Dunklin, Coordinator for Student Support Services at 380-3470 as soon as possible so that warranted accommodations can be arranged. Her office is located in Student Academic Services, 1st floor, Administration Building.

Tentative Schedule : This schedule is subject to change as needed.

Aug 21 : § 1.6, 2.1	Oct 16 : § 4.4, 4.5
Aug 23 : § 2.2, 2.3	Oct 18 : § 4.6
Aug 28 : § 2.4, 2.5	Oct 23 : Review
Aug 30 : § 2.6, 2.7	Oct 25 : **TEST 3**
Sept 04 : Review	Oct 30 : S 5.1
Sept 06 : **TEST 1**	Nov 01 : § 5.2
Sept 11 : § 3.1, 3.2	Nov 06 : § 5.3, 5.5
Sept 13 : § 3.3	Nov 08 : § 6.1
Sept 18 : § 3.4	Nov 13 : § 6.2
Sept 20: § 3.5	Nov 15 : Review
Sept 25 : § 4.1	Nov 20 : **TEST 4**
Sept 27 : § 4.2	Nov 22 : No class
Oct 02 : Review	Nov 27 : § Review
Oct 04 : **TEST 2**	Nov 29 : § Review
Oct 09 : No class	Dec 3 : **FINAL EXAM 9:00-11:00am**
Oct 11 : § 4.3	

Caveat Discipulus: This syllabus is subject to change as necessary.