Syllabus and Schedule

Monday, June 25, 2007
7:23 PM

Math 32A Summer 2007 Syllabus

Instructor: Alex Boisvert
Office: MS 5222
Office Hours: MW 3:30-4:30, T 12:30-1:30
Class home page: http://www.math.ucla.edu/~boisvert/32a.1.071/ or tinyurl.com/2z3nhb

Homework:

Homework will be assigned in class on Monday and will be due at the beginning of class the following Monday. Homework must be written neatly and stapled in the upper left-hand corner. **Late homework is never accepted** under any circumstances. Your lowest homework score will be dropped; however, I encourage you to turn in all the homework in case for some reason you have to miss a homework later.

Exams:

There will be two midterms: a first on July 12th and a second on August 2nd. The final exam will be given on the last day of class (August 16th). There are **no make-up exams.** You must take the final to pass the class. You must bring your student ID to the final exam.

Grading:

The homework is graded as follows: the reader will select five problems at random to grade, for 10 points each. The remaining 50 points is for completeness. If you have attempted all of the problems (not just writing down the problem number, for instance) you get 50 points, otherwise you get 0. As mentioned above, the lowest homework score is dropped.
There are two grading schema for this class:

- Scheme 1: Homework 10%, Midterms 20% each, Final 50%
- Scheme 1: Homework 10%, Midterm 20% (lowest one dropped), Final 70%

Note: Even if you get 100% on the first midterm, you are better off taking the second midterm anyway, because the final will probably be harder than the second midterm (i.e. there is no way to beat the system).

We will be using MyUCLA (http://my.ucla.edu) for grading. All of your grades will be visible there. I recommend you keep your old homeworks and check MyUCLA periodically to make sure there has not been an error.

Course Outline

This outline is preliminary and is subject to change.

Date	Sections	Topics
6/25	13.1	Three Dimensional Coordinate Systems
6/26	13.2	Vectors
6/27	13.3	Dot Product
6/28	13.4	Cross Product
7/2	13.5	Equations of Lines and Planes
7/3	11.1	Curves defined by parametric equations
7/5	14.1	Vector Functions
7/9	14.2	Derivatives and Integrals of Vector Functions

7/10	14.3	Arc-length and curvature
7/11	14.4	Motion in space (Kepler's Laws)
7/12	13.1 - 14.1	**Midterm 1**
7/16	15.1	Functions of several variables
7/17	13.6	Cylinders and quadric surfaces
7/18	15.2	Limits and Continuity
7/19	15.2	Limits and Continuity
7/23	15.3	Partial Derivatives
7/24	15.3	Partial Derivatives
7/25	15.4	Tangent Planes and Linear Approximation
7/26	15.4	Tangent Planes and Linear Approximation
7/30	15.5	Chain Rule
7/31	15.5	Chain Rule
8/1	15.6	Directional Derivatives and the Gradient Vector
8/2	13.6, 15.1 - 15.4	**Midterm 2**
8/6	15.6	Directional Derivatives and the Gradient Vector
8/7	15.7	Maximum and Minimum Values
8/8	15.7	Maximum and Minimum Values
8/9	15.8	Lagrange Multipliers
8/13	15.8	Lagrange Multipliers
8/14	TBA	TBA
8/15	All	Final review
8/16	Cumulative	**Final Exam**

Pasted from <http://www.math.ucla.edu/~boisvert/32a.1.071/syllabus.html>