

Syllabus for Math 203

Dr. Cleary, Fall 2011

The plan is to cover the following topics:

Note	Week	Sections	Topics
	1	10.1-10.2	Space, vectors
	2	10.3-10.6	Dot, cross products, lines, planes
	3	10.7, 13.6	Curves, parametric surfaces
	4	11.1-11.3	Functions of several variables, limits
	5	11.3-11.5	Partial derivatives, tangent planes, chain rule
A	6		EXAM 1
B	7	11.5, 11.6	Directional derivative, gradient
	8	11.7, 12.1	Extrema, double integrals
	9	12.2, 12.3	Double integrals, polar
	10	12.4, 13.6	Parametric surfaces, surface area
	11	12.5	EXAM 2, triple integrals
	12	8.1, 8.2, 8.3,	Sequences, series, integral test
	13	8.4	Tests for convergence
C	14	8.5, 8.6	Power series, functions as series
	15	8.7	Taylor series, Maclaurin series
	16	8.8	EXAM 3, Taylor polynomials
D	17	8.8	Applications of Taylor series
	18		Final exam

Notes:

A- Sep 29, 30 : no class, Rosh Hashanah holiday.

B- Tues, Oct 4: Fri classes meet.

C- Nov 22: Tues classes meet. Nov 24, 25, no class, Thanksgiving holiday

D- Dec 13- last day of class