

Syllabus for Math 203

Dr. Cleary, Fall 2018

The rough plan is to cover the following topics:

Note	Week	Topics
	1	Space, vectors, dot product
A	2	Lines, planes
B	3	Quadric surfaces, curves, parametric surfaces
	4	Functions of several variables, limits
	5	Partial derivatives, EXAM 1
	6	Directional derivative, gradient, chain rule
	7	Tangent planes, extrema
	8	Extrema, double integrals
	9	Double integrals, EXAM 2
	10	Polar, parametric surfaces, surface area
	11	Applications, triple integrals
	12	Sequences, series, tests for convergence
C	13	Power series, functions as series
	14	Taylor series, Maclaurin series
	15	Taylor series convergence, EXAM 3
D	16	Applications of Taylor series

Notes:

A - Tuesday, Sept 11, no class, campus closed

B - Tuesday, Sept 18, no class, campus closed

C - Thanksgiving, campus closed

C - Last day of class for us is Tues, Dec 11th