

MATH 311
Sections 502,503

Topics in Applied Mathematics I
Linear Algebra and Vector Analysis

Spring 2015
P. Yasskin

Schedule

Week	Dates 2015	Leon & Colley	Topics
1	1/20-1/22	1.1,2,3	Systems of Linear Equations
2	1/27-1/29	1.4,5	Matrices
3	2/3-2/5	2.1,2,3	Determinants
4	2/10-2/12	3.1,2,3,4	Vector Spaces
5	2/17-2/19	3.5,6	Exam 1, Bases
6	2/24-2/26	4.1,2,3	Linear Maps
7	3/3-3/5	5.1,2,4	Inner Products
8	3/10-3/12	5.5,6	Exam 2, Gram-Schmidt
	Spring Break		
9	3/24-3/26	6.1,2,3	Eigenvectors
10	3/31-4/2	7,8	Partial Derivative Review
11	4/7-4/9	9	Multiple Integral Review
12	4/14-4/16	10.1, 11.1,2	Line and Surface Integrals
13	4/21-4/23	10.2,3, 11.3	Vector Calculus Theorems
14	4/28-4/30	Review	Exam 3, Appl of VCTs