

Math 2B Suggested Syllabus

Text: *Calculus*, Smith and Minton, 3rd Edition

Lecture	Section	Topic
1	4.3	Introduction and Algebra Review
2	4.4	Definite Integral with Average Value
3	4.5	Fundamental Theorem of Calculus
4	4.6	Integration by Substitution
5	4.6	
6	5.1	Area Between Curves
7	5.2	Volume: Slicing, Disks and Washers
8	5.2	
9	5.4	Arc Length and Surface Area
10		Midterm # 1 is about the above material. Date is Oct. 23, 2009
11	6.1	Natural Logarithm
12	6.2	Inverse Functions
13	6.3	Exponential Function
14	8.1	Exponential Growth and Decay
15	6.4	Inverse Trigonometric Functions
16	6.5	Calculus of Inverse Trigonometric Functions
17	7.1	Review of Integration
18	7.2	Integration by Parts
19	7.3	Trigonometric Techniques of Integration
20	7.3	
21		Midterm # 2 is about the above material. Date is Nov. 20, 2009
22	7.4	Integration of Rational Functions using Partial Fractions
23	7.4	
24	7.5	Integration Tables
25	7.6	Indeterminate Forms and L'Hopital's Rule
26	7.6	
27	7.7	Improper Integrals
28	7.7	
29		Review
30		Final Exam is comprehensive exam. Date Dec. 11, 2009

Grading Policy:

Final Exam	40%
Midterm # 1	15%
Midterm # 2	15%
Quizzes	20%
Webworks	10%