MATH 152: Calculus II
Textbook: Calculus, Early Transcendentals, Anton, Bivens, Davis
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Office hours: MTRF 1:00-1:50 PM, W 10:00-10:50 AM

    From the Catalog: Applications of the definite integral. Techniques of integration and improper integrals. Infinite series. Conic sections, polar coordinates and parametric equations.

    Prerequisites: MA151 **with a grade of C or better**.

    Course Objectives: To enrich our toolbox for evaluating definite and indefinite integrals. To experience more applications using definite integrals. To discover some of the interconnections between infinite series and notions of calculus. To learn how to use polar instead of cartesian coordinates to study interesting and useful geometrical figures, including conic curves.

SYLLABUS FOR FALL 2004: MTRF 12:00 - 12:50

Week	Date	Monday	Tuesday	Thursday	Friday
1	8/30	Derivative	Rules	Integral	Rules
2	9/6	BREAK	BREAK	7.1	7.2
3	9/13	7.3	7.4	7.5	7.6
4	9/20	Review	Exam 1	7.7	7.7
5	9/27	7.8	7.8	8.2	8.3
6	10/4	8.3	8.4	8.5	8.6
7	10/11	8.6	8.7	8.8	8.8
8	10/18	Review	Exam 2	9.1	9.1
9	10/25	9.2	9.3	9.3	9.4
10	11/1	9.4	10.1	10.2	10.2
11	11/8	Review	Exam 3	10.3	10.4
12	11/15	10.5	10.5	10.6	10.7
13	11/22	10.8	10.9	BREAK	BREAK
14	11/27	10.9	10.10	Review	Exam 4
15	12/6	11.1	11.2	11.3	11.4

Final Exam: Week of December 13-17. Please Check!