MATH 112: Calculus for Business and Life Sciences
Textbook: Brief Calculus, Sixth Edition, Larson, Edwards
Instructor: George Voutsadakis
Office: CAS 206J
Phone: 635-2667
Email: gvoutsad@lssu.edu
URL: http://pigozzi.lssu.edu/WWW/TEACH/LSSU/S06/LSSU112S06/LSSU112S06.html
Office hours: M 2:00-2:50, TR 1:00-1:50, W 8:00-8:50 & 2:00-2:50

    From the Catalog: Limits, differentiation, applications of the derivative, integration, applications of the definite integral, techniques of integration. Calculus of exponential and logarithmic functions, elementary differential equations, functions of several variables.

    Prerequisites: Math 111 with a grade of C or better. This course will not count towards a major or minor in mathematics.

    Course Objectives:

The students taking the class should be able to: find the limit of a function graphically and analytically, discuss continuity of functions, find slopes of graphs and determine derivatives using the definition and the different rules available, apply derivatives to find rates of change, calculate higher-order derivatives and derivatives using implicit differentiations and apply these techniques in related-rates problems, use derivatives to study the behavior of a graph with respect to monotonicity and concavity, evaluate integrals and use them to find areas and volumes of solids of revolution and solve elementary differential equations as well as use them to model real-life problems.

SYLLABUS FOR SPRING 2006: MTRF 8:00 - 8:50

Week	Date	Monday	Tuesday	Thursday	Friday
1	1/9	1.4	1.5	1.5	1.6
2	1/16	2.1	2.2	2.3	2.4
3	1/23	2.5	Review	Review	EXAM 1
4	1/30	2.6	2.7	2.8	3.1
5	2/6	3.2	3.3	3.4	3.5
6	2/13	3.6	Review	Review	EXAM 2
7	2/20	3.7	3.7	4.1	4.2
8	2/27	BREAK	BREAK	BREAK	BREAK
9	3/6	4.3	4.4	4.5	5.1
10	3/13	5.2	Review	Review	EXAM 3
11	3/20	5.3	5.4	5.5	5.6
12	3/27	5.7	6.1	6.2	6.3
13	4/3	6.5	Review	Review	EXAM 4
14	4/10	6.6	C1	C2	C3
15	4/17	C4	C4	Review	Review

Final Exam: Week of April 24-28. Please Check!