

SYLLABUS M119 FALL SESSION 2009

BRIEF SURVEY OF CALCULUS

INSTRUCTOR: Mildred Vernia

TIME & LOCATION: Tuesday & Thursday 7:30 PM 25496 LF244

OFFICE: PS 020 A

WEBSITE: <http://homepages.ius.edu/mavernia/>

E-MAIL: mavernia@ius.edu

PHONE: 941-2194, or call me at home 948-1567. Do not hesitate to call me.
I would be happy to set up extra study or class sessions as needed.
Please don't call my house after 10:00 PM.

OFFICE HOURS: MW 8:00 – 9:00 AM in the LF161C, MW 1:00-2:00 PM in the math lab
Monday evenings by appointment

TEXT: Calculus For Business, Economics, And The Social And Life Sciences,
by Hoffman & Bradley; 10th Edition.

CALCULATOR: (Required) TI-83 or TI84.

COURSE GOALS: To become acquainted with the TI83 graphing calculator and to proficiently use it to perform computations as well as graphing various functions. To learn how to graph and model with functions, compute derivatives, utilize derivatives in graphing and optimization problems, and graph and model with exponential and logarithmic functions, basic integration computation, and graphing.

GRADING: You will be graded on exams, quizzes and a final.

5 Exams	500 points (62.5%)	Scale: 90-100	A *
Quizzes	100 points (13.5%)	80-89	B *
Final Exam	<u>200 points</u> (25%)	70-79	C
	800 points total	60-69	D
		00-59	F

- **Students who score below 60% on the final exam cannot receive a grade higher than C.**

QUIZZES: You will be given 12 quizzes. The lowest two quizzes will be dropped.

THERE ARE NO MAKEUP QUIZZES. Quizzes may be given on the previous nights homework after homework questions have been answered.

HOMEWORK: Problems will be assigned from each section. It is important that you do these assignments as your test and quiz problems will be similar. Homework will not be collected.

EXAMS: Five exams will be given. Anyone with special needs must discuss this privately with the teacher. If you **have to** schedule a test before the test date, let me know as soon as possible! Tests taken after the scheduled date will be graded without partial credit.

FINAL: A comprehensive final will be given. The final will count **25%** of your grade.
If you fail the final exam, the maximum course grade possible is a C.

WITHDRAWALS: The last day to withdraw from a class is **September 28th**.

MATH LAB: The Math Lab is located in PS 015. The telephone number is 941-2670.
 The schedule is on the web site at <http://ww.ius.edu/mathlab>.

TENTATIVE SCHEDULE:

CLASS	DATE	SECTION COVERED	HOMEWORK(odd only)
1	8/25/09	1.1 1.2	1-19, 23-29,39-55, 63 1-35, 55
2	8/27/09	1.3	1-33, 35-45 every other odd, 55
3	9/01/09	1.4	1-13, 41-45, 48
4	9/03/09	Test#1 Chapter #1	
5	9/08/09	2.1	1-21 odd (see rules from Sec. 2.2)
6	9/10/09	2.2	1-51, 57-63
7	9/15/09	2.3	1-23 , 29, 31, 41, 43, 55
8	9/17/09	2.4	1-13 , 17-25, 29-33, 37-45, 55-61
9	9/22/09	2.5	7-23
10	9/24/09	Review	
11	9/29/09	Test#2 Chapter #2	
12	10/1/09	3.1	1, 3, 9-13, 23, 25, 35-39, 53-57 (with calculator), 59
13	10/6/09	3.2	1-15, 43,45, 53-57 (omit 2 nd derivative test)
14	10/8/09	3.4	1-9, 11-15, 17, 19, 29, 33
15	10/13/09	3.5	5-9, 15, 21-25, 33
16	10/15/09	Test #3 Chapter #3	
17	10/20/09	4.1	1-23, 27-33, 35-37, 39-51, 55-59
18	10/22/09	4.2	1-27, 37, 43-55, 71, 73
19	10/27/09	4.3	1-9, 13, 15, 19, 21, 29, 31, 39, 41, 42, 45, 65-69
20	10/29/09	4.4	1-17 (9&17 calculator),21, 24, 25-29
21	11/3/09	Test #4 Chapter #4	
22	11/5/09	5.1	1-15, 19, 27-55, 59
23	11/10/09	5.3	1-17, 37, 39, 47-51, 57
24	11/12/09	No Class	
25	11/17/09	5.4	1-13
26	11/19/09	Test #5 Chapter#5	
27	12/1/09	REVIEW	
28	12/3/09	REVIEW	
	12/10/09	FINAL EXAM	(7:00-8:50 PM)

* Grades will be posted on Oncourse a few days after the final exam.