

SYLLABUS K300 SPRING SESSION 2012

STATISTICAL TECHNIQUES

INSTRUCTOR: Mildred Vernia **OFFICE:** LS 161 C **E-MAIL:** mavernia@ius.edu

TIME & LOCATION: Monday & Wednesday 9:15 AM 34144 CV106
11:00 AM 5560 CV201
7:30 PM 5562 CV109

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

Class notes are located on this website and should be printed prior to each class.

PHONE: 812-941-2194 (E-mail is usually a better way to reach me!)
I would be happy to set up extra study or class sessions as needed.

OFFICE HOURS: 9:00 AM to 12:30 PM Tuesdays in PS 020A
Monday & Wednesday 1:00 to 2:30 PM in the Math Lab PS015

COURSE GOALS: To be able to describe, explore and compare data including measures of center, variation and relative standing. Be proficient in solving basic probability problems. To become acquainted with Random Variables, Binomial Distributions, Normal Distributions, Estimating Parameters and Sample Sizes, Hypothesis Testing and Linear Regression.

TEXT: Elementary Statistics, by Mario Triola; 11th Edition.

CALCULATOR: (Required) TI-83 or TI84.

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

4 Exams	400 points (50%)	Scale:	90-100 A *
Quizzes	200 points (25%)		80-89 B *
Final Exam	<u>200 points</u> (25%)		70-79 C
	800 points total		60-69 D
			0-59 F

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

QUIZZES: You will be given approximately 12 quizzes. The lowest two quizzes will be dropped. **THERE ARE NO MAKEUP QUIZZES.** Quizzes may be given on the previous night's homework after homework questions have been answered.

HOMEWORK: All odd problems up to "Beyond the Basics" are be assigned from each section. It is **extremely** important that you do these assignments as your test and quiz problems will be similar. Homework will not be collected.

EXAMS: Anyone with special needs (disability, medical problems, etc.) 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! Late tests will be graded without partial credit. **Any student looking at a cell phone during an exam will receive a zero for that exam.**

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 drop a class is **March 16th.**

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
1	1/09/12	1.1,1.2,1.3,1.4, 1.5
2	1/11/12	2.1,2.2, 2.3
	1/16/12	Holiday – No Class
3	1/18/12	2.4,2.5, 3.1
4	1/23/12	3.2, 3.3
5	1/25/12	3.4
6	1/30/12	REVIEW
7	2/02/12	TEST#1 Chapter #1 & #2 & #3
8	2/06/12	10.1,10.2,10.3
9	2/08/12	4.1,4.2, 4.3
10	2/13/12	5.1, 5.2
11	2/15/12	5.3, 5.4
12	2/20/12	REVIEW
13	2/22/12	TEST#2 Chapter #10, #4, #5
14	2/27/12	6.1, 6.2
15	2/29/12	6.3, 6.4
16	3/05/12	6.5
17	3/07/12	7.1, 7.2
18	3/12/12	7.3, 7.4
19	3/14/12	REVIEW
20	3/19/12	TEST #4 Chapter #6 & #7
21	3/21/12	8.1, 8.2
22	4/02/12	8.3
23	4/04/12	8.4
24	4/09/12	8.5
25	4/11/12	REVIEW
26	4/16/12	TEST #4 Chapter #8
27	4/18/12	REVIEW
28	4/23/12	REVIEW
9:15AM Class:	4/25/12	FINAL EXAM (9:30 AM – 10:45 AM)
11:00AM Class:	4/30/12	FINAL EXAM (11:00 AM – 12:50 PM)
7:30PM Class:	4/25/12	FINAL EXAM (7:00 PM – 8:50 PM)

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