STA 3123: INTRODUCTION TO STATITICS II – Syllabus
Instructor: Prof. Ive Barreiros, MS Spring 2010

Class Number: 25286 STA3123 Section: B53 Time 5:00PM-6:40PM
Days: TU and TR Building: LABRARY Room: 260

WELCOME TO INTRODUCTION TO STATISTICS II! This course attempts to present a wide variety of applications of the statistical methods. It requires the knowledge of the topics regarding distributions, sample and populations already covered in your previous course. It starts with a review of the basic points in estimation and hypothesis testing that you have already learned in that course. Then it presents a rich collection of procedures to be applied to different research situation and data, such as analysis of variance, regression analysis and count data analysis. It includes also modern developments such as some basic non-parametric statistical procedures. You will have the opportunity to gain some experience in one or two statistical software. Attendance and daily practice are fundamental factors contributing to successful completion of the course.

Textbook: Statistics. By MacClave and Sincich. Eleventh edition

Calculator. Have your calculator handy and ready. It should be a simple calculator. Graphic calculators and cell phone calculators are not allowed

Your final grade will depend on your performance in tests, lab assignments, and the final exam. We will have 4 tests and a comprehensive and mandatory final exam as indicated below. Each test is worth 15%. There will be no making up tests under any circumstance. The lowest test grade in tests 1-4 will be dropped and replaced by the grade in the final exam. A student that does not take the final exam will receive an F in the course. Homework will be assigned for each chapter and most of the assigned exercises will be discussed in class. There will be three lab assignments, involving statistical software. These assignments are worth up to 15 points.

Additionally, you can gain up to 5 extra-credit points by writing a paper on some related statistical topic. The possible topics and precise instruction and requirements will be given in class.

Your grade will be assigned according to the following scale: A $\geq$ 95; 90 $\leq$ A- < 95; 87 $\leq$ B+< 90; 85 $\leq$ B < 87; 80$\leq$ B- < 85; 75 $\leq$ C+ < 80; 70 $\leq$ C < 75; 60 $\leq$ D < 70; F < 60.

The content of the course can be divided into four units, each corresponding to one test:

	TOPICS BY UNIT
Unit 1	**STATISTICAL INFERENCE: Single Sample** (Sections 7.1 - 7.4, 8.1 - 8.5)
	STATISTICAL INFERENCE: Two Samples (Sections 9.1-9.4 and 9.6)
Unit 2	**ANALYSIS OF VARIANCE** (Chapter 10)
Unit 3	**SIMPLE LINEAR REGRESSION AND CORRELATION** (Chapter 11)
	ANALYSIS OF COUNT DATA (Chapter 13)
Unit 4	**NON-PARAMETRIC STATISTICAL INFERENCE** (Chapter 14)
	STATISTICAL SOFTWARE: SPSS and Excel features for statistical analysis.
Sofware	**4 Assignments**

Evaluations	UNIT	Date	%
Test 1	1	21-Jan	15
Test 2	2	18-Feb	15
Test 3	3	23-Mar	15
Test 4	4	8-Apr	15
Final Exam	Comprehensive	TBD	25
Lab assignment	3 lab assignments	TBD	15
Total			100
Stat. paper	TBA	NA	5

Assistance: Contact: barreiro@fiu.edu. Instructor Office Hours: Half an hour before each class. By appointment. (Ac I – Room 163A)
Personal tutoring is available at University Learning Center (Academic I - Room 160).

- Hope you will enjoy this course and find it appealing and fun. Organize your class schedule, your study plan and keep in mind the important dates of spring 2010. We encourage you to work consistently, avoiding missing classes and getting behind in reading and/or homework.
- The policy stated in this syllabus will not be changed in any particular case under any personal circumstance. Please take this into account when deciding to attend this class. We strongly recommend you to use the assistance available to help you in this course as indicated below.

Class environment: Active and positive participation in class will be highly appreciated. Punctuality is important as well as attendance to the whole session in each class. Avoid private conversations, as well as computers and cell phone use during class. Eating and/or drinking in class are not permitted. Your instructor will promptly observe and report any attitude, actions, and/or behavior contrary to the indications given in this regard.

Note: There are University regulations regarding topics such as Incomplete Grade, Academic Dishonesty, Late Drop, etc. Ask your instructor if you have questions in those regards or go to the FIU pertinent internet site for specific information

GOOD LUCK AND THANK YOU FOR REGISTERING IN STA3123!!!

IMPORTANT DATES

January 4 Monday	**Classes begin.**
January 11 Monday	**Last day to add courses** **Last day to change grading option.**
January 18 Monday	**Martin Luther King Holiday (University Closed).**
February 26 Friday	**Last day to drop a course with a DR grade.** **Last day to withdraw from the University with a WI grade.**
March 15 - 20 Monday - Saturday	**Spring Break.**
April 19 - 24 Monday - Saturday	**Final week of the semester - modified class schedule: Final exams and other course assessment activities are scheduled during this week.**
April 19 Monday	**Grade rosters available to faculty for grade entry and submission.**
April 28 Wednesday	**Deadline (by 11:59 pm) for faculty to submit grades.**
April 29 Thursday	**Complete grade report available to students by web and at kiosks at Noon.**