Statistics II  
STA-3112, Section 02  
FIU / Spring 2016

Class Time: MWF 4:00-4:50 pm  
Office Hours: MWF 2:30-3:30 pm;  
(or by appointment)

Classroom: PC-438  
Office: DM-407B (Dept of Math & Stat)

Instructor: Ramon Gomez  
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Prerequisite: STA-3111 (Statistics I)

Textbook: “Statistics” by McClave and Sincich, 12th ed. customized for FIU (ISBN 9781-256-73624-0). Contents from chapter 8 to 14 (excluding chapter 12) will be covered. The coursepack with the PowerPoint presentations for lectures is also required.

Course Description: This course deals with concepts and methods corresponding to the areas of inferential statistics and non-parametric statistics. A scientific calculator with statistical capabilities, like the TI-30xa, is required. Graphing calculators are not allowed for exams. The SPSS statistical software will be used for team assignments. This software is available at any FIU computer lab.

Course Objectives

- Conduct tests of hypothesis on means and proportions based one and two samples
- Identify different designs of experiments
- Conduct one-way and two-way Analysis of Variance
- Perform statistical analysis for the simple linear regression model
- Conduct Chi-square tests of hypothesis for categorical data
- Perform non-parametric tests of hypothesis

Important Dates

Test 1: Feb 15th, chapters 8-9  
Test 2: March 7th, chapter 10  
Test 3: April 4th, chapter 11

Final Exam: Monday May 2nd, 2:15-4:15 pm; (chapters 8-14, excluding chapter 12, cumulative)

Last day to DROP with a DR grade: March 21st
Examinations and Grading Policy

There will be three partial tests and a cumulative final exam. The final exam is mandatory. Each partial test and the final will be worth 100 points. The score for the final exam may replace your lowest partial test score. SPSS assignments will account other 100 points. Thus the final grade will be based on a total of 500 points.

There will be NO MAKE-UPS before the final; some exceptions made by FIU policies (jury duty, religious holidays, and athlete competition) must be informed to the Instructor in a timely manner. If for any reason you are not able to attend classes the day of one partial test then your score for that test will be given by your final exam score. **Incomplete** will be given only if the student is in a passing status and has completed most of the course work but is unable to take the final exam for an acceptable reason.

Grading Scale

- 450+ ... A
- 400-449 ... B
- 350-399 ... C
- 250-349 ... D
- <250 ... F

Attendance and Classroom Policies

Students are expected to attend all classes. Students are responsible for classroom behavior conducive to the educational process. Arriving late and leaving early are disruptive. Cell phones and any other electronic devices must be turned off during classes and tests. The instructor has final authority in all matters related to course content, partial test dates, grading practices, and classroom discipline and procedures. A basic discipline principle during lectures will be that only one person (the Instructor, most of the time) will be talking to the rest of the audience.

**Strongly recommended to support the learning process**

- Be punctual for classes
- Turn off your cell phone and any other electronic devices before class and put them inside your bag or pocket
- Bring your text book, PowerPoint coursepack, and calculator every day
- Communicate your Instructor any problem affecting your performance
**Academic Misconduct**

FIU is a community generating and imparting knowledge through excellence teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrate respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible of academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

**Other Information**

For University policies on sexual harassment, religious holidays and services for students with disabilities please read the Student Handbook or visit [http://academic.fiu.edu](http://academic.fiu.edu). Students who require accommodations due to a disability must be officially registered with FIUs Disability Resource Center. For additional information, please visit [http://drc.fiu.edu](http://drc.fiu.edu)

**Note:** Possible modifications of this syllabus/course outline will be announced in class.