Class Time: MWF 10:00 - 10:50 am

Office Hours: MWF 2:00-3:00 pm (DM-407B)  
Tuesdays 12:30-1:30 pm (GL-266); or by appointment

Classroom: PC-424  
Instructor: Ramon Gomez  
E-mail: gomezra@fiu.edu

Office: DM-407B (Dept of Math & Stat)  
Phone: (305) 348-6357  
Website: http://faculty.fiu.edu/~gomezra

Prerequisite: High School Algebra


Other material required: The coursepack with the PowerPoint presentations for lectures is required. A calculator with statistical capabilities (like the TI-30xa) is also required.

Course Description  This course deals with concepts and methods corresponding to the areas of descriptive statistics, probability and inferential statistics.

Course Objectives

- Identify types of statistical methods and data
- Organize, summarize and describe sets of data
- Use of properties and rules for finite probability models
- Identify types of random variables and their probability distributions
- Computing probabilities based on the Binomial and Normal distributions
- Use of concepts and properties for the sampling distribution of the sample mean and sample proportion
- Construct confidence intervals for means and proportions based on a single sample
- Conduct tests of hypothesis on means and proportions based on a single sample

Important Dates

Test 1: Sep 14, chapters 1-2  
Test 2: Oct 14, chapters 3-4  
Test 3: Wednesday, Nov 16, chapters 5-7
Examinations and Grading Policy

<table>
<thead>
<tr>
<th>Evaluation Activities</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastery Lab</td>
<td>10%</td>
</tr>
<tr>
<td>Partial Test 1</td>
<td>20%</td>
</tr>
<tr>
<td>Partial Test 2</td>
<td>20%</td>
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<tr>
<td>Partial Test 3</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

There will be three partial tests and a cumulative final exam. The final exam is mandatory. Each partial test and the final will be graded in a scale of 0 - 100 points. The result for the final exam may replace your lowest partial test score.

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.

Mastery Lab Participation

- The Mastery Stat Lab is a place where you will build your skills and do the homework. In the Lab, Learning Assistants (LA) will be available, who are capable of helping you and answering your questions.

- You are required to spend at least 2 hours in the lab each week. The week runs Monday through Sunday. You need to complete your lab hour requirement by each Sunday at 6 PM. The time can be continuous or broken into smaller time periods. The total time you spend in the lab will be recorded and if it is smaller than 2 hours = 120 minutes (119 IS smaller than 120), you will get 0 for that period. Again, lab participation makes up 10% of your grade in this course.

- The hours you spend in the lab do not “roll over” to the next period. If you spend 5 hours in one week, you still have to spend a minimum of 2 hours in the next week. There is also no partial credit for earning less than required 2 hours.
• The lab requirement for the week of Thanksgiving Break is 1 hour (60 minutes)

• You are responsible for tracking your own hours. There is a monitor in the lab that will tell you how many minutes you have accrued each week.

• You need to sign out whenever you leave the lab. This includes to take a phone call or visit the restroom.

• Lab hours are Monday through Friday, 8 am - 8 pm and Sunday, 1-6 pm.

• There is no food, gum or drink allowed in the lab.

• Cell phones must be on vibrate and put away (not on lap or in chair). If you need to answer a phone call you must sign out and leave the lab for the duration of the call.

Grading Scale

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Range (%)</th>
<th>Letter Grade</th>
<th>Range (%)</th>
<th>Letter Grade</th>
<th>Range (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>95 or above</td>
<td>B</td>
<td>83 - 86</td>
<td>C</td>
<td>70 - 76</td>
</tr>
<tr>
<td>A-</td>
<td>90 - 94</td>
<td>B-</td>
<td>80 - 82</td>
<td>D</td>
<td>60 - 69</td>
</tr>
<tr>
<td>B+</td>
<td>87 - 89</td>
<td>C+</td>
<td>77 - 79</td>
<td>F</td>
<td>59 or less</td>
</tr>
</tbody>
</table>

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 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.

**Early Alert**

In an effort to help you succeed in your academic courses, FIU utilizes an Early Alert system. Instructors are now able to notify students’ academic advisors if there are concerns about class performance. If an alert is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an early alert. Our goal with this program is to help you to be successful by identifying any issues as early on as possible and working to address them.

**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 FIU’s 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