Instructor: Zhenmin Chen, Ph.D.
Office: DM 403B
Phone: 305-348-1081
Website: http://www.fiu.edu/~chenzh

Office Hours: T & Th 9:30-10:30, 15:30-16:30

Textbook:

Prerequisite: MAS 3105, STA 6247 and STA 6327

Coverage
- Review of Vectors and Matrices
- Introduction to Linear Models
- Distribution of Linear and Quadratic Forms
- Regression on Functions of One Variable
- Transforming the Data
- Regression on Functions of Several Variables
- Introduction to Analysis of Variance Models
- Fixed Effects Models I: One-Way Classification of Means
- Fixed Effects Models II: Two-Way Classification of Means
- Fixed Effects Models III: Multiple Crossed and Nested Factors

Homework and Exams:
1. Keep four decimal places for all your answers. Caution: You may lose points for the exams if you fail to do so.
2. Completely mark out any work which you do not want to show to the instructor. If you provide two or more solutions to the same problem the worst one will be picked for grading.
3. You must show your complete work to receive full/partial credit for all the problems except True/False problems and Multiple Choice problems.
4. To receive credit for True/False problems and Multiple Choice problems, correct answers must be circled. If you fail to circle the correct answer or circle more than one answer, you will get no credit for that question. Your work for True/False problems and Multiple Choice problems will be ignored.
5. Do not use red pen. The instructor will use this color for grading.
6. Your grades will be based on homework (25%), midterm exam (30%) and cumulative final exam (45%).
Grading Scale:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90%-100%</td>
<td>A</td>
</tr>
<tr>
<td>87%-89%</td>
<td>A−</td>
</tr>
<tr>
<td>84%-86%</td>
<td>B+</td>
</tr>
<tr>
<td>80%-83%</td>
<td>B</td>
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<tr>
<td>77%-79%</td>
<td>B−</td>
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<tr>
<td>74%-76%</td>
<td>C+</td>
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<tr>
<td>70%-73%</td>
<td>C</td>
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<tr>
<td>67%-69%</td>
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<td>64%-66%</td>
<td>D+</td>
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<tr>
<td>60%-63%</td>
<td>D</td>
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<tr>
<td>57%-59%</td>
<td>D−</td>
</tr>
<tr>
<td>0%-56%</td>
<td>F</td>
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</tbody>
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Important Dates

- August 26 (Monday) Classes begin
- October 17 (Thursday) Midterm Exam
- November 4 (Monday) Last day to drop
- November 28 (Thursday) Thanksgiving Holiday
- December 9-13 Final Exam Week
- December 19 (Thursday) Grades Posted

Florida International University is a community dedicated to generating and imparting knowledge through excellent 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 to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates 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 for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Some course material will be posted on Web. Please check to see if you can read the following symbols and equations successfully.

$$s = \sqrt{\frac{\sum_{i=1}^{n} (x_i - \bar{x})^2}{n-1}}$$

Please make sure you have Adobe Acrobat Reader (Version 5 or above) installed on your computer. Adobe Acrobat Reader is a free software which can be downloaded from the following website: [http://www.adobe.com/](http://www.adobe.com/).