Syllabus

Instructor: Dr. Sherwin G. Toribio  
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Tel #: (608) 785-6606
Office hours: MTWRF 9:30AM - 10:30AM or by appointment

Course Description: An introduction to simple linear regression, multiple regression, polynomial, and logistic regression. Inferences, appropriateness of model, model diagnostics/adequacy, difficulties in the application of models are discussed. A computer package will be used (R and/or SPSS). Course participants will be involved with hands-on statistical applications and one project presentation. Prerequisites: MTH 305/405 or MTH 341.

Course Objectives:

• To gain a comprehensive understanding of linear regression models and associated inferential methods.

• To know when and how to apply the statistical procedures covered in the course.

• To learn how to use a statistical computer package (R and/or SPSS) to implement the procedures covered in the course.


Grading:

<table>
<thead>
<tr>
<th>Exams</th>
<th>Dates</th>
<th>Time</th>
<th>Coverage</th>
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</thead>
<tbody>
<tr>
<td>Exam #1</td>
<td>Oct. 5</td>
<td>Class Time</td>
<td>Chapters 1 to 4</td>
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<td>Exam #2</td>
<td>Nov. 2</td>
<td>Class Time</td>
<td>Chapters 5 to 8</td>
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<td>Exam #3</td>
<td>Dec. 7</td>
<td>Class Time</td>
<td>Chapters 9 to 11, and 14</td>
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<td>Final Exam</td>
<td>Dec. 17</td>
<td>4:45 - 6:45 PM</td>
<td>Comprehensive</td>
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To get a grade of

A - one has to get at least 662 (92%) points out of 720.
A/B - one has to get at least 626 (87%) points out of 720.
B - one has to get at least 590 (82%) points out of 720.
B/C - one has to get at least 547 (76%) points out of 720.
C - one has to get at least 504 (70%) points out of 720.
D - one has to get at least 432 (60%) points out of 720.

Tentative Exam Dates:
**Make-up Exam Policy**: In order to be excused from a long exam, you must have a valid reason and you must discuss the matter with me before the exam. In the event that you miss a long exam due to circumstances beyond your control, the final exam will count for a larger part of your grade.

**Homework**: Homework will be assigned regularly and they will be due at the start of the next class day. All homework should be neatly written. If you miss a class, it is your responsibility to find out what the homework problems are. Because you can drop 2 of your homework scores, no late homework will be accepted!

**Attendance**: Attendance will be monitored daily and will be considered in the rounding of your final percentage grade. If you miss 2 or less classes, your final percentage grade will be rounded up. If you miss between 3 to 5, your final percentage grade will be rounded to the nearest percentage. If you miss more than 5 class, your final percentage grade will be rounded down. Based on my experience, students start having difficulties when they miss classes. So it is for your own benefit to attend all lectures. If you have to miss a class, make sure that you learn the material that you missed before the start of the next class.

**Classroom Courtesy**: Please turn off your cellphones, ipods, and tablets when you get into the classroom. If you have to leave early, please let me know at the beginning of class and make a quiet exit.

**Academic Honesty Policy**: Academic dishonesty will NOT be tolerated in this classroom. If you are caught cheating in an exam, it will result in an automatic F in that exam and a written reprimand to be included in the student’s disciplinary file. Do not even let yourself come under suspicion of dishonesty.

**Accommodations**: Any student with a documented disability (e.g., physical, learning, psychiatric, vision, or hearing, etc.) who needs to arrange reasonable accommodations must contact the instructor and the Disability Resource Services Office (165 Murphy Library, 785-6900) at the beginning of the semester.

**NOTE**: By now, you should already know that Mathematics/Statistics is not a spectator sport. It requires daily participation, both in the classroom and in the homework. This might be a difficult class for some of you. Find a study partner or a group. Two heads are usually better than one and it makes the work a lot more fun.....

Good luck and I hope you will do well in this course!