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Office Hour: T/R 8:00PM - 8:30 PM, DUQUES 359
Teaching Assistant: Xiang Shen
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Office Hour: TBA, Rome 751

Course Description: This is an introductory statistics course. Topics covered in this class include: frequency distributions, descriptive measures, probability, probability distributions, sampling, estimation, tests of hypotheses, regression and correlation, with applications to business.

Credit Hours: 3

Note: Stat 1051, 1053, 1111, and 1127 are related in their subject matter, and credit for only one of these courses may be applied toward a degree. One entrance unit in algebra is prerequisite to all courses in statistics.

Course Objectives:
At the completion of this course, students will be able to:

1. apply laws of probability
2. construct and interpret large-sample and small-sample confidence intervals
3. evaluate evidence for and against hypotheses using statistical tests
4. find the least-squares equation for simple linear regression and assess the utility of the mode

Text(s): Statistics for Business & Economics, 12th Edition
Author(s): McClave

Other Required Materials:
- access to Blackboard
- a scientific calculator (phone is not allowed)
- access to a computer where RStudio is installed (All PCs in the Academic Technologies computer lab in the basement of Gelman Library, Room B05 are equipped with an array of statistical softwares. You need a G1 account to use those computers. RStudio is free to download and install after you have installed R – also free.)
Course Policies:

• General
  - Students are expected to spend on average a **minimum of 7.5 hours per week** to work on assignments, improve comprehension and study for assessments outside the classroom contact hours for this course.
  - Students are expected to work independently unless otherwise specified (such as group labs/project). **Offering and accepting** solutions from others is an act of **plagiarism**, which is a serious offense and all involved parties will be penalized according to the **Academic Honesty Policy**. Discussion amongst students is encouraged, but when in doubt, direct your questions to the professor, teaching assistant, or tutor.
  - There is free peer tutoring provided by the Department of Statistics for students in this course. Check [http://statistics.columbian.gwu.edu/peer-tutoring](http://statistics.columbian.gwu.edu/peer-tutoring) for detail.
  - Quizzes and exams are closed book. The final exam is comprehensive.

• Grades
  - If you would like your work to be regraded, you must request within **one week** from the time the item is available for distribution.
  - **Incomplete** grade will only be granted if “a student, for reasons beyond the his/her control, is unable to complete the work of the course, and if the instructor is informed of, and approves, such reasons before the date when grades must be reported”. An **Incomplete** may only be given if the student asks for such a grade and if s/he has been passing in the course until such time as the **Incomplete** is requested.
  - **All course grades are final once assigned after the final exam.** You may request to view your final exam within 3 weeks of the day when grades are posted by the university.

• Homework Assignments
  - Assigned homework problems represent a minimum set of exercises students need to complete in order to keep up with lectures. You are responsible to spend more time, if needed, to grasp a better understanding of these concepts and do well on the exams.
  - **No late assignments will be accepted under any circumstances.**

• Attendance and Quizzes
  - Attendance is expected and may be taken in the form of in-class quiz submission. **There are no makeup quizzes or exams.**
  - Students are responsible for all missed work, regardless of the reason for absence. It is also the absentee’s responsibility to get all missing notes or materials.

**Grade Distribution:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Final Group Project</td>
<td>20%</td>
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<tr>
<td>Lab Assignments</td>
<td>10%</td>
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<tr>
<td>Homework Assignments</td>
<td>10%</td>
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<tr>
<td>Quizzes</td>
<td>15%</td>
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<tr>
<td>Midterm</td>
<td>15%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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</tbody>
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Letter Grade Distribution: (*: Cutoffs subject to flow down at instructor’s discretion)

>= 87.50* A
75.00* - 87.49* B
60.00* - 74.99* C
50.00* - 59.99* D
<= 49.99* F

Important Dates:

Last day to add/drop any course on your own .......................Sep. 9
Last day to drop without a “W” .....................................Sep. 23
Midterm Exam .................................................. Oct. 20 or Oct. 27 (tentative)
Last day to switch a grade mode ..............................Oct. 21
Group Project Presentation ...............................TBA (last week of class)
Group Project Paper Submission on Blackboard ............... TBA
Final Exam .............Tuesday, December 20, 2015 (TENTATIVE)

University Policies:

• Academic Integrity Code: Academic dishonesty is defined as cheating of any kind, including misrepresenting one’s own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information. For the remainder of the code, see http://studentconduct.gwu.edu/code-academic-integrity

• Religious Holidays:

  1. Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance.
  2. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations.
  3. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities.

• Disability Support Services (DSS): Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information, please refer to http://gwired.gwu.edu/dss/

• Mental Health Services: The University’s Mental Health Services offers 24/7 assistance and referral to address students’ personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations, confidential assessment, counseling services (individual and small group), and referrals. Please contact them at 202-994-5300 or visit http://counselingcenter.gwu.edu/

Last updated: 8/29/2016