Math 2063: Introductory Statistics
Section 07, Spring Semester 2016

Instructor: Fengrong Wei
Office: 222 Boyd Bldg
Phone Number: 678-839-5314
e-mail: fwei@westga.edu
Class Time and Place: Tuesday and Thursday, 3:30pm-4:50pm (Jan 11 to Apr 29, 2015).
Office Hours in office: Tuesday and Thursday 12:25pm-3:30pm, and 4:50pm-5:30pm or by appointment.
Any change in office hours will be notified in CourseDen.
Hours Credit: 3 hours

Prerequisites: MATH 1101 or MATH 1111

Courses Description: A noncalculus-based introduction to methods of descriptive statistics, probability, discrete and continuous distributions and other fundamental concepts of statistics.

Texts and Other Materials:


Topics: Methods for describing sets of data, including descriptive statistics and histograms. Simple linear regression. Probability of discrete and continuous random variables, including the binomial and normal random variables. Sampling distributions, including the Central Limit Theorem, Hypothesis testing and Confidence intervals.

Learning Outcomes: Upon successful completion of this course, the students will know how to properly collect data, how to describe and analyze that data, and make inferences about the population under study based on the sample data collected. The students will also be aware of and able to interpret the statistics with which we are bombarded on a daily basis in the print media, on radio, and on television, to help make informed decisions about their lives.

Communications with Professor:

- Students should check their UWG email accounts on a daily basis. As UWG e-mail is the official means of communication, only UWG issued e-mail addresses will be answered by Professor. CourseDen email is not utilized by the Professor (neither read nor answered).
- Please contact me directly through my UWG email (fwei@westga.edu) for anything that is confidential or private. All e-mails to the Professor are to be sent to fwei@westga.edu. If you would like to ask questions via email, please make sure you use MATH2063 as the subject line, so that I recognize that it is from one of you, and so that my spam filter do not accidentally delete your message. Emails will be answered within hours if not immediately. Although attempts will be made to reply as quickly as possible, you should not assume that all the emails sent after 10:00 PM or over the weekend will be replied on the same day. I REPLY TO ALL EMAILS. IF YOU DO
NOT GET A REPLY WITHIN A 24-HOUR PERIOD, ASSUME I DID NOT RECEIVE IT AND PLEASE RESEND.

- Students with any kind of disability are encouraged to contact me at the beginning of the semester so that I can make appropriate arrangements with Disability Services.

- You can come and meet me during my office hours or by appointment in my office (Boyd 222). Please feel free to come and talk to me about any problems related to the course.

Homework, Examinations and Grading:

- Homework: Homework is assigned after each section, but are not to be turned in and graded. Homework problems are meant to reflect the sort of questions you can expect in quizzes, tests and final exam. Problems are selected from Textbook and Workbook.

- Attendance will be taken randomly, which worths 5 points.

- Quizzes: There will be nine 15-minute quizzes worth 10 points each with 4 multiple choice problems. Quizzes dates are:
  Quiz 1, Jan 19 (Covering sections 2.1, 2.2)
  Quiz 2, Jan 26 (Covering sections 3.1, 3.2)
  Quiz 3, Feb 2 (Covering sections 4.1, 4.2)
  Quiz 4, Feb 16 (Covering sections 5.2, 5.3)
  Quiz 5, Feb 23 (Covering sections 5.4, 6.1)
  Quiz 6, Mar 1 (Covering sections 6.2, 6.4)
  Quiz 7, Mar 22 (Covering sections 7.2)
  Quiz 8, Mar 29 (Covering sections 8.1, 8.2)
  Quiz 9, Apr 5 (Covering sections 8.3, 9.1)

  Three lowest quizzes will be dropped. Any change in quiz time will be notified in CourseDen.

  Note: All the quizzes are needed to be finished in class on the quiz day listed above.

- Tests: There will be three 80-minute exams worth 50 points each with 25 multiple choice problems. Tests dates are:
  Test 1, Feb 9th (Covering Sections 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 5.1)
  Test 2, Mar 8th (Covering Sections 5.2, 5.3, 5.4, 6.1, 6.2, 6.4, 6.5, 6.6)
  Test 3, Apr 12th (Covering Sections 7.2, 8.1, 8.2, 8.3, 9.1, 9.2)

  The lowest test will be dropped. Any change in exam time will be notified in CourseDen. Note: All the tests are needed to be finished in class on the test day listed above.

- Final: A multiple choice comprehensive exam worths 100 points with 40 multiple choice problems. (April 28, Thursday) It covers all the section lists in Course Schedule below. Note: Final exam is needed to be finished in class from 2:00pm-4:30pm, Apr 28, 2015.

\[
\begin{array}{c|c}
5\% \text{ Attendance} & 5 \text{pts} \\
30\% \text{ Quizzes} & 30 \text{ pts} \\
\hline
40\% \text{ Tests} & 40 \text{ pts} \\
25\% \text{ Final} & 25 \text{ pts} \\
\hline
\text{Total} & 100 \text{pts}
\end{array}
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Grades will be assessed using the standard decade scale: 90-100=A, 80-89.999=B, 70-79.999=C, 60-69.999=D, <60=F.

Graded Assignment Rules:

1. Every quiz covers the new topics in the course schedule after the previous quiz.

2. There is NO make up Test. In order to take a makeup test, you must have a valid, documented reason for missing it. If it is possible, you must let me know before you miss the test. In the event
of an emergency or illness on the day of the test, you must contact me on the day of the test. All 
the make up tests should be taken within one week from the original date. There is NO make 
up Quiz and Final Exam.

3. I expect you to finish graded assignments on time. I do not offer partial credit, so you only have 
one chance of submitting the assignment correctly. Failing to do so will result in a zero on the 
assignment.

4. Students are responsible to find out about any changes in due dates and course content.

5. All work must be done individually by students. Any student caught cheating will receive a failing 
grade and may be reported to the Office of Student Affairs.

Extra Credit: Extra credit, if available at all, will be discretionary on the part of the Instructor, 
and opportunities will be open to the whole class and not to individual students upon request. Work 
completed for another course will not be accepted to meet the requirements of this course.

Academic Honesty Policy:

- At the University of West Georgia we believe that academic and personal integrity are based upon 
honesty, trust, fairness, respect and responsibility. Students at West Georgia assume responsibility 
for upholding the honor code. West Georgia students pledge to refrain from engaging in acts that 
do not maintain academic and personal integrity. These include, but are not limited to, plagiarism, 
cheating, fabrication, aid of academic dishonesty, lying, bribery or threats, and stealing.

- You are responsible for the safeguarding of your computer account. Your account and network 
connection are for your individual use. A computer account is to be used only by the person to 
whom it has been issued. You are responsible for all actions originating through your account or 
network connection. You must not impersonate others or misrepresent or conceal your identity in 
electronic messages and actions.

Americans with Disabilities Act: If you are a student who is disabled as defined under the Americans 
with Disabilities Act and require assistance or support services, The Office of Disability Services will help 
you understand your rights and responsibilities under the Americans with Disabilities Act and provide 
you further assistance with requesting and arranging accommodations. If you need course adaptations or 
accommodations because of a disability or chronic illness, or if you need to make special arrangements in 
case the building must be evacuated, please notify your instructor using the course email system within five 
business days after the beginning of the course and attach a PDF copy of your Student Accommodations 
Report (SAR) which is available only from the Office of Disability Services. Accommodation requests 
require appropriate notice and paperwork.

Academic Grievances: Any student who believes that he or she has been discriminated against because 
of race, creed, color, sex, sexual orientation, national origin, religion, age, veteran status, or handicapped 
status should visit Appendix D in the Student Handbook to find the steps needed to be taken to file a 
claim. This can be found at http://www.westga.edu/ handbook/doc/SH-current.pdf.

Student Rights and Responsibilities: Please carefully review the information at the following link: 
http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf. The document at 
this link contains important information pertaining to your rights and responsibilities in this class. 
Because these statements are updated as federal, state, university, and accreditation standards change, 
you should review the information each semester.

Additional Information:

- Information Technology Services Helpdesk at 678-839-6587 
  http://www.westga.edu/its/index.5035.php

- Distance Learning Student Guide 678-839-6248 
  http://www.westga.edu/ distance/distancestudents/
- http://tinyurl.com/UWGSyllabusPolicies
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<td>2.2 Graphs and Tables for Quantitative Data</td>
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<td>3.1 Measures of Center</td>
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<td>4.1 Scatterplots and Correlation</td>
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<td>4.2 Introduction to Regression</td>
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<td>5.3 Conditional Probability</td>
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<td>5.4 Counting Methods</td>
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<td>6.1 Discrete Random Variables</td>
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<td>9.1 Introduction to Hypothesis Testing</td>
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<td>10.1 Inference for Mean Difference-Dependent Samples</td>
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<td>10.2 Inference for Two Independent Mean</td>
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<td><strong>Online Final Exam</strong></td>
<td><strong>Apr 28</strong></td>
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Table 1: Course Calendar. The instructor reserves the right to change the schedule and/or requirements.