Course: STAT 53-10
Semester: Fall 2010
Time: Monday, Friday 11:10-12:25
Location: Funger 108
Discussion: You must also be registered for one of the sections 30, 31, 32, 33, 34

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COURSE DESCRIPTION
This is an introductory class in the statistical sciences. Below is the summary of topics.
Numerical measures of central tendency and variability, frequency distributions &
graphical presentations, probability, random variables, sampling distributions, estimation,
confidence intervals, testing of hypotheses, linear regression and correlation.

TEXT
McClave/Sincich “Statistics”, GW custom 2nd edition, Prentice-Hall,

LEARNING OUTCOMES
At the end of the semester you should be able to
--apply laws of probability
--construct and interpret large-sample and small-sample confidence intervals
--evaluate evidence for and against hypotheses using statistical tests
--find the least-squares equation for simple linear regression and assess the utility of the
model

GRADING: The final grade will be based on:
  Quizzes    -  40%
  Homework  -  20%
  Final      -  40%

NOTE: IN ACCORD WITH UNIVERSITY POLICY, THE FINAL EXAM WILL BE
GIVEN DURING THE FINAL EXAM PERIOD AND NOT THE LAST WEEK OF
THE SEMESTER

Quiz/ HW: There will be four quizzes in class. I will announce each quiz about one
week ahead of time. The lowest quiz score will be dropped; thus your highest three
scores of the four will be counted. HW will be assigned. I do not give makeup quizzes
or HWs. I may also give surprise quizzes in class.
CLASS POLICIES
See “Quiz/HW” information above.
You may find the University Policy on Religious Holidays at:
http://www.gwu.edu/~regweb/web-content/policies.html

ACADEMIC INTEGRITY
I personally support the GW Code of Academic Integrity. It states: “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://www.gwu.edu/~ntegrity/code.html

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM
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 Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://gwired.gwu.edu/dss/

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300
The University Counseling Center (UCC) 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
http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices

SECURITY
In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter inside Gelman library.

Important note: Stat 51, 53, 91, 104, 111, and 127 are related in their subject matter, and credit for only one of the six may be applied toward a degree.