Syllabus
STAT 1051-MV, Spring 2011
Introduction to Business and Economic Statistics

Class Schedule: MW, 6:10-8:00 pm.
Location: Academic Building, Mt Vernon Campus Rm 100.
Instructor: Professor Rida E. Moustafa (Shalash)
Campus Address: 2140 Pennsylvania Ave., Room B06
Phone: (202) 994-6217
E-mail: shalash@gwu.edu
Office hours: MW, 1:00-2:00pm. Other times are available by appointment.


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

Course description
This course introduces some basic concepts and methods in probability and statistics. Topics include (1) frequency distribution, (2) descriptive measures, (3) probability, (4) probability distributions, (5) sampling distribution, (6) estimation, (7) tests of hypotheses, (8) regression and (9) correlation.

Learning Focus: Logical thinking and understanding; self-learning. Think, write and talk in complete sentences and sensibly. Describe the context clearly. Arguments should be coherent and make common sense. Take ownership of what you write or say. Totally avoid mechanical “plug-in numbers in formulas” mode. Before you use a formula, you must explain why that formula is appropriate.

Learning outcomes: At the end of the semester you should 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 model

Class Policies:
1. Students should attend all classes and recitations and engage in class activities.
2. Laptops, cell phones and other electronic gadgets must be turned off during classes and recitations.

Grading Policy:
Important Notes:
1. All quizzes will be closed book and unannounced. Always bring the textbook and a calculator. Quizzes may cover material discussed in the same class. **No make up quiz will be given; do not ask for make up quizzes.** Two lowest quiz grades will be discarded.
2. Late HW will not be accepted, without a compelling reason, which you must communicate to your TA and me promptly.
3. The midterm and the final exams are open book. You may also bring and use two pages of notes. You **must** bring your textbook and a calculator for all exams. **Use of cell phones as calculators is not permitted.**
4. The Midterm exam will be announced one week before the due date.
5. Make up midterm will not be given, except for very special circumstances.
6. The final exam will be based on the entire syllabus and will be given following the University’s final exam schedule.

University Policy on 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

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](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/](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](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 at a predetermined rendezvous location.