

## *Introduction to Business and Economic Statistics - STAT1051*

**Time:** Monday and Wednesday 2:20 - 3:35 p.m.

**Room:** FUNGER 208

**Instructor:** Charles Fleming

**Office Hours:** Monday and Wednesday 1:30-2:30 p.m. in FUNGER 208

**Recitation Section 34:** 11:10 a.m. - 12:00 p.m. Monday in Monroe 114

**Recitation Section 35:** 12:45 - 1:35 p.m. Monday in 1957 E 112

**WWW:** <http://www.bhox.com>

**e-mail:** [flemingc@gwu.edu](mailto:flemingc@gwu.edu)

**Textbook:** *Statistics for Business and Economics* (13<sup>th</sup> edition) by James T. McClave, P. George Benson, and Terry Sincich **Electronic Textbook:** *MyStatLab* by Pearson Publishing

**Optional Textbook:** *Basic Statistics* by Charles M. Fleming

**Supplies:** Calculator

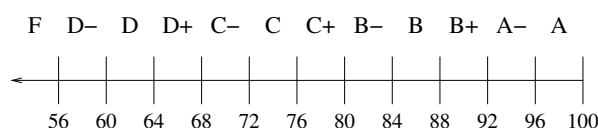
**Description:** This is a general survey course in elementary statistics that will broadly cover the six topics of descriptive statistics, probability, sampling, inference, testing of hypotheses, and linear models.

**Grading:** Assigned homework problems will be discussed in lab, but the homework will not be graded. There will be a total of ten full length quizzes and random short quizzes. All full length quizzes will be closed-book and closed-notes; the short quizzes will be closed-book. The tenth and last full length quiz will be mandatory. The scores of all short quizzes will count. The highest seven scores of the first nine full length quizzes will be used in computing the quiz average. In addition to the quizzes, there will be four graded computer assignments, a Mid-term Examination, and a Final Examination. Make-up examinations and make-up quizzes will be granted on the basis of a doctor's excuse or a written excuse for required attendance at a University sanctioned event. The course point structure and tentative schedule of exams are:

	Weight	Date
Quiz Average	25%	Weekly
Short Quiz Average	5%	at Random
Computer Assignment Average	15%	Monthly
Mid-term Exam	25%	11 March
Spring Recess		16-20 March
Final Exam	30%	4 - 12 May

The semester grade will be assigned according to the following scale:

### Grade Scale for STAT 1051



## **Learning Outcomes**

Students of STAT1051 upon completion of the course 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 model

## **Academic Integrity**

I personally support the GW Code of Academic Integrity which 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/integrity/code.html>

## **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)**

The University Counseling Center (UCC), 202-994-5300, offers continuous 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 case of an emergency, even in the case of a fire drill or false alarm, the class will go home.

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.