

STATISTICS 107, Sec. 001  
CONCEPTS OF STATISTICS  
Summer 2008  
9:00 am – 10:50 am, EB 1012

**Instructor:** Dr. Zenia N. Agustin  
**Office:** SL 1310  
**Phone:** (618) 650-2357  
**e-mail:** zagusti@siue.edu  
**website:** www.siue.edu/~zagusti  
**Office Hours:** MTWR 11:00am – 12:30pm, or by appointment

**Text:** *Statistics, Concepts and Controversies*, Fifth Edition, by David S. Moore

**Course Description:** This is a course on statistical ideas and statistical methods. Concepts of statistics as well as their relevance in the “real world” will be discussed. To this end, we can divide the topics to be covered in class into four main categories:

(i) Producing Data

We will discuss ways to collect trustworthy data and examine what sample data can tell us.

(ii) Organizing Data

We will discuss different ways of organizing and presenting data as well as ways of describing relationships between variables.

(iii) Chance

The language of statistics is probability so we will discuss basic probability concepts and models.

(iv) Inference

We will discuss the concept behind confidence intervals and tests of significance.

**Course Objectives:** The main objective of this course is **NOT** to turn you into statisticians but instead to make you “statistics literate”. After taking this course, you must be able to read critically and understand reports of experiments and surveys that abound in newspapers, magazines, journals and even the Internet. You must be educated consumers of such reports.

**Course Requirements:** Homework problems will be assigned at the end of each class meeting. These problems will not be turned in but questions about them will be answered during the first 15 minutes of the next class meeting.

Quizzes will be given during the last 15 – 20 minutes of the class on the following dates:

May 29, June 3, June 11, June 16, and June 24

There will be two exams to be given on June 6 and June 19. In addition, a comprehensive final exam will be given on June 27.

**Note:** There will be **NO** make-up quizzes or exams.

**Grading Policy:** Your final grade in this course will be determined as follows:

Quizzes	–	100 points
Two Exams	–	200 points
Final Exam	–	125 points
<b>Total Points</b>		<b>425 points</b>

The straight scale will be used in assigning your final grade, i. e., 90% – 100% is A, 80% – 89% is B, etc.

**Academic Integrity:** Any work that you submit must be your own work. Anybody caught passing off somebody else’s work as his/her own will be dealt with accordingly. Any form of cheating will not be tolerated and will result in a failing grade for the quiz, exam, or for the course, and in appropriate disciplinary action being initiated.

**Disability Clause:** Students needing special academic accommodations should notify the instructor no later than the end of the second day of class. You must have a documented disability and an ID CARD from Disability Support Services. Students with disabilities are encouraged to visit the SIUE Disability Support Services Office located in Rendleman Hall, Room 1218. An individualized accommodation plan can be developed according to each student’s needs. Requests for services should be made two to four weeks prior to the date that the service is to begin.

**Classroom Rules:**

1. The class meets from 9:00am to 10:50am. You are expected to arrive on time and stay for the duration of the class. Coming in late and/or leaving early disrupts the class. Should there be a need to leave the class early, inform the instructor in advance and sit near the door to minimize the distraction.
2. All cell phones should be turned off or put in silent mode during the class.
3. All electronic devices should be turned off during the class.

**Tips for Succeeding in this Class:**

1. Come to class prepared every meeting.
2. Read the textbook ahead of time.
3. Work out homework problems and be prepared to discuss your solutions in class.
4. Participate in class discussions. **[Statistics is NOT a spectator sport.]**
5. Ask questions.
6. Make full use of my office hours. They are meant for you and my services are free.
7. Keep a positive attitude.