

**MATH 201 APPLIED STATISTICS  
SUMMER 2008**

SECTION	TIME	DAYS	ROOM
001	9:00 - 11:40 am	Tu Th	Swart 127

**INSTRUCTOR:** Dr. K.L.D. Gunawardena

**OFFICE:** Swart 205

**PHONE:** 424-1056

**E-MAIL:** gunaward@uwosh.edu

**OFFICE HOURS:** 8:30 – 8:55 am and 11:45 – 12:30 pm Tu Th, and other times by appointment.

**TEXT:** *Introduction to the Practice of Statistics* 5<sup>th</sup> edition, by David S. Moore and George P. McCabe

**STUDENT WEB SITE:** [bcs.whfreeman.com/ips5e](http://bcs.whfreeman.com/ips5e)

**CALCULATOR:** TI-83, TI-83 Plus or TI-84 Plus calculator is required.

**EXAMS:** There will be three examinations:

EXAM	TOPICS	DATE
Exam 1	Chapters 1,2	July 1, 2008
Exam 2	Chapter 3,4,5	July 17, 2008
Exam 3	Chapters 6,7,8	August 7, 2008

**Make-up exams will not be given except when the student has a valid reason for the absence.**

**HOMEWORK:** Problems from the text will be assigned each day. The solutions to 10 sets of problems will be collected. The solutions to the problems are due at the beginning of class. I encourage you to work together in small groups on the homework problems. However, if you work in groups, you should write up your solution to the problems independently of those you work with.

**PROJECT:** Students will work in teams of 3 or 4 to carry out a project that involves application of the methods learned in class. Each team will (a) formulate a research question that can be addressed using statistical methods; (b) obtain appropriate data (by collecting it yourself, or finding appropriate data in a book, the web, or some other source). A written report of the project is due on July 31. We will have a project fair during the last week of class where team members will take turns explaining their project to the class.

**GRADING PERCENTAGE:**

Exams 1-3 [100 points each]	60%
Homework [150 points]	30%
Project [50 points]	10%

While attendance is not required, it is important that you attend class and take part in class activities. I have observed that students who attend classes regularly get good grades, while those with poor attendance get poor grades.

**GRADING SCALE:**

POINTS	GRADE	POINTS	GRADE
90 - 100	A	70 - 74	C
85 - 89	AB	65 - 69	CD
80 - 84	B	60 - 64	D
75 - 79	BC	0-59	F

**CELL PHONES:**

*All cellular phones, pagers and other electronic equipment should be turned off and put away during class period*

## **GENERAL GOALS AND OBJECTIVES FOR THE COURSE:**

The goal of statistics is to gain understanding from data. This course focuses on critical thinking and active learning. Students will be engaged in statistical problem solving and will develop intuition concerning data analysis, including the use of appropriate technology.

Specifically students will develop

- an interest and aptitude in applying statistics to other areas of human inquiry
- an awareness of the nature and value of statistics
- a sound critical approach to interpreting statistics, including possible misuses
- facility with statistical calculations and evaluations, using appropriate technology
- effective written and oral communication skills

## **HOME WORK GUIDELINES**

- use standard size paper. **DO NOT** use paper torn from spiral note books with jagged edges
- staple the pages
- **DO NOT** use colored papers
- show all the steps for solving the problem
- write legibly
- write complete sentences