

## Syllabus: Stat 200 Elementary Statistics (Summer 2005) Section 203

### CONTACT INFORMATION

**Instructor:** Maggie Li, E-mail: [yul135@psu.edu](mailto:yul135@psu.edu)

(Please feel free to e-mail me directly. If you e-mail me through ANGEL, please check the box to have the e-mail sent to my internet e-mail address since I do not typically check ANGEL.)

**Office:** 301 Thomas Bldg.

**Office Hours:** M,W 2:00 PM – 3:00 PM

**Teaching Assistant:**

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**Office:** 316 Thomas **Office Hours:** T, Tr 2:00 PM – 3:00 PM

### COURSE DESCRIPTION

Statistics is the art and science of using sample data to make generalizations about populations. The topics covered in this course include:

- methods for collecting and summarizing data
- methods for evaluating the accuracy of sample estimates
- techniques for making statistical inferences

Users of statistics -- researchers, government agencies like the Census Bureau and the Bureau of Labor Statistics, companies like the automakers and drug industry, etc. -- make extensive use of the computer in applying statistical methods to their problems. You will have a great deal of practice in analyzing data from a variety of areas and should be well prepared for problem-solving involving statistics in the rest of your college courses, as well as gaining an understanding of the role of statistics in your daily life.

### COURSE WEBSITE

We will use ANGEL in this course. Important course materials will be posted, so you should plan to access the site regularly.

### REQUIRED RESOURCES

1. A textbook, **Mind on Statistics**, 2<sup>nd</sup> Edition, by Utts and Heckard. It can be purchased at the usual bookstores.
2. A scientific calculator.

## COURSE FORMAT

- There are five class meetings per week: three large group meetings (LGM) and two computer lab meetings.
  - Lectures will be given in the LGM. These are located in **118 Thomas** on **M, W, F 12:45 PM-2:00 PM**.
  - The lab meetings are located in **004 Life SCI** on **T, Tr 12:45 PM-2:00 PM**.
- In the LGMs, I will cover the reading material outlined on the respective dates. I strongly encourage you to read the material before class and then the lecture material should make more sense. Quizzes and exams will also be administered during the LGMs on each Friday!
- In the computer labs, you will work through an activity that supplements the lecture/reading from that week. You are encouraged to work with group members.

## SUMMARY OF COURSE REQUIREMENTS

Item	Description	Points	Percentage
Homework	Due on each Tuesday	300	30.00%
RAQs	July 8, July 15, July 29, Aug 5	200	20.00%
Midterm Exam	July 22	200	20.00%
Final Exam	August 12	300	30.00%
	<b>Total</b>	<b>1000</b>	<b>100.00%</b>

## SOME DETAILS ABOUT COURSE REQUIREMENTS

### Homework

Homework will consist of lab activities and exercises from the text. The due dates for the homework assignments are noted on the calendar. There will be a total of six homework assignments due. Each assignment is worth 50 points.

### Readiness Assessment Quizzes (RAQs)

There will be four Readiness Assessment Quizzes (RAQs) throughout the semester. The dates of the RAQs are noted on the course calendar. The RAQs will be 25 questions. Each RAQ will be worth 50 points.

The RAQs will contain only multiple-choice and true-false questions. The questions will be on material that you have been asked to read previously and on material discussed in LGMs and labs. You are expected to read and review topics before each quiz so that you will understand the basic concepts, and the questions on the RAQs will determine how well you understand those concepts.

**REMEMBER TO BRING A PENCIL AND A CALCULATOR FOR ALL RAQs!!!**

### Exams

One midterm and one final exam will be administered. The midterm exam will have both written and multiple choice sections and will be worth 200 points. The final exam (comprehensive) will be strictly multiple choice questions and will be worth 300 points. The dates for both of these exams are noted on the course calendar.

**REMEMBER TO BRING A PENCIL AND A CALCULATOR FOR BOTH EXAMS!!!**

You will be graded based on the total score obtained from all of your course work. Course grades in each of the nine categories will be tentatively awarded based on the following bounds:

<b>Final Grade</b>	<b>Points</b>	<b>Percent</b>
A	930-1000	93.0-100.0%
A-	900-929	90.0-92.9%
B+	870-899	87.0-89.9%
B	830-869	83.0-86.9%
B-	800-829	80.0-82.9%
C+	770-799	77.0-79.9%
C	700-769	70.0-76.9%
D	600-699	60.0-69.9%
F	0-599	0.0-59.9%

**PLEASE NOTE: The instructor reserves the right to lower the final grade of any student for rudeness or disrespect.**

### **COURSE RULES**

We will adhere to the following:

1. Make-up policy: You must supply documentation of reasons for missing an exam or RAQ. Unless the situation is a rare, last-minute emergency, you must contact me **PRIOR** to missing the quiz or exam!
2. Assignments will not be accepted after the announced due date since the solutions will generally be posted within 24 hours after the due date.
3. Students are responsible for all announcements and supplements given within any lecture.
4. Cheating will be punished in accordance with University guidelines.

**Academic Integrity:** All Penn State and Eberly College of Science policies regarding academic integrity apply to this course. See <http://www.science.psu.edu/academic/Integrity/index.html> for details.

### **IMPORTANT COURSE ADMINISTRATION DATES**

Please note that as a student registered for this course, you are responsible for taking care of certain administrative details *before* the following university-wide deadlines:

Late Registration & Drop/Add Period	June 29 - July 5
Late Drop Deadline	August 2
Classes End	August 10
Final Exams	August 12