

# Syllabus: STAT 200 Elementary Statistics (Summer 2007)

## Section 106

### CONTACT INFORMATION

**Instructor:** Bing Han, E-mail: [buh113@psu.edu](mailto:buh113@psu.edu)

Please feel free to e-mail me directly. If you e-mail me through ANGEL, **please do check the box to have the e-mail sent to my Internet e-mail address.**

Office: 333 Thomas Bldg. Office Hours TBA

**Teaching Assistant:** Jingyun (Michael) Yang, E-mail: [mjyyang@stat.psu.edu](mailto:mjyyang@stat.psu.edu) Office 418 Thomas

### COURSE DESCRIPTION

This is the course of elementary statistics with the minimum requirement on mathematics. We will achieve the following targets in 6 weeks.

- Statistical literacy
- Fundamental statistical skills: including sampling, summary, and basic inference
- Math mechanism of 1-sample and 2-sample inferences.
- Application of more advanced statistics: ANOVA, SLR, and more.
- Being able to use the software MINITAB

**COURSE WEB** Penn State official online course management system: ANGEL

### COURSE FORMAT

Instructor gives lecture on every M W F 11:10am~12:25pm at 009 Life Sci. On every T and R, TA directs computer lab sessions at 004 Life Sci. The lecture material is powerpoint presentation. The .ppt file will be available on ANGEL after each class. During lab students need to use software MINITAB to do the assigned exercise, called "lab activity #xx" also available on ANGEL. Attendance of lecture and lab are mandatory. We will have quizzes without notice to check attendance in some lectures or during some lab sessions. Students are encouraged to ask questions during lecture and lab. Students are allowed to bring in questions about homework and lecture materials during lab time to TA. Students are encouraged to work as groups during lab.

### REQUIRED RESOURCES

1. A textbook, **Mind on Statistics**, 3<sup>rd</sup> Edition, by Utts and Heckard.
2. A calculator that can calculate square root.

### HOMEWORK, RAQ, COURSE PROJECT & EXAM

1. Homework: assigned every week on ANGEL. Due date is every Thursday in lab. Late homework is not accepted.
2. RAQ (Readiness Assessment Quizzes): 4 times in total, each consisting of 20 multiple choices problems using scantron. Students need to prepare #2 pencil and calculator. Instructor will provide scratch sheet and formula sheet.
3. Course project: due date will be some day in the last week of lecture. Project will be assigned after midterm. We will detail the requirement later.
4. Exams: 1 midterm and 1 final, consisting of multiple choices and subjective problems (problem solving). Students need to prepare calculator and pencil. Instructor will provide scratch sheet and formula sheet.

## GRADING

Homework (best 5)	15%	RAQs (best 3)	20%
Project	15%	Midterm	20%
Final	30%	Extra (Attendance quiz) TBA	

An overall score (on 0~100 scale) will be calculated for each student based on the above proportion and the grade records. The final grade scale will be in accordance with other sessions and previous semesters, most probably in the following way and subject to adjustment.

Final Grade	Overall score
A	93
A-	90
B+	87
B	83
B-	80
C+	77
C	70
D	60
F	Below 60

## COURSE POLICY

1. No late homework
2. No make-up exam and quiz
3. Students are responsible for all announcements made through Internet email, ANGEL email, or in class and lab. These announcements may change some terms in the syllabus.
4. The instructor reserves the right to adjust the final grade scale.
5. All academic integrity policies of Penn State Univ. apply to our class.