

STAT 401 Experimental Methods

Sections 002 and 004

Spring 2006

Class Time and Location:

Section 002: 12:20 – 1:10 PM, 104 Thomas (Mon, Fri) **AND** 214 Boucke (Wed)

Section 004: 2:30 – 3:20 PM, 117 Thomas (Mon, Fri) **AND** 112 Boucke (Wed)

Instructor:	Eli Walters	TA:	Min Kyung Kim
Office	409 Thomas	Office	333 Thomas
Office Hours	W 1:20 – 2:20, F 11:10 – 12:10	Office Hours	T 12 – 1, R 1 – 2
Office Phone	865-6552	Office Phone	883-3374
Email	ewalters@stat.psu.edu	Email	mzk136@psu.edu

(If you want a timely response, please e-mail me directly. I do not frequently check ANGEL for messages from students.)

Textbook: Probability and Statistics for Engineering and the Sciences by Devore, 6th Edition

Calculator: a scientific calculator is sufficient

Web Page:

Such materials as lecture notes and homework assignments will be posted on ANGEL. (angel.psu.edu)

Course Objective:

To familiarize students with the basic concepts and ideas of statistics and probability. To provide training in the use of statistical methods and graphics for the analysis and presentation of data encountered in engineering and other disciplines.

Class Notes:

In most cases, I will provide you with typed notes (posted on ANGEL), which will hopefully allow you to think about the material as we discuss it instead of writing down notes at a furious pace. The typed notes that I provide **will not be complete**. There will be pieces missing that you will need to add from our class discussion. If you miss class (with or without a legitimate excuse), it is your responsibility to find a friend and copy the notes that you missed.

Homework:

Application of the ideas and concepts to real data is the focus of the course. Thus, homework will be an integral part of the class. The homework for a particular chapter will be assigned when we BEGIN discussing that chapter and will be due soon after the completion of our discussion.

Homework will be graded based on **completeness and accuracy (mostly for accuracy)**. Some points will be awarded just for having made an honest effort at the problems, whether your work is correct or not. Then, a few parts of the assignment will be graded for accuracy. So even if you get a perfect score on a homework assignment, it does not mean that you completed every problem correctly! Always compare your work to the posted solutions!

Lab Activities:

We will meet in a computer lab every Wednesday. At the beginning of the semester, we will make limited use of the computers. After the first exam, however, we will do a significant amount of work in Minitab. Any lab activities will be turned in before you leave class that day.

Check-ups:

I reserve the right to give short (announced or unannounced) “check-ups” throughout the semester on recent material. These “check-ups” will be worth 10% of the grade **AT MOST**. If any are given, they will be included as part of the homework grade.

Exams and Final:

There will be two quizzes (Jan 27, Mar 1) and two exams (Feb 13, Apr 7). See ANGEL for coverage. I will try to honor these projected dates, unless an adjustment must be made to benefit the class. There will also be a comprehensive final during finals week.

Grading Appeals:

From the day that any graded material is returned to you, you have two class periods to bring any errors in grading to my attention. After that, no grade adjustment will be made! So please review any graded materials upon receiving them!

Evaluation:

Assessment	Points	Percent
Exams (2)	130 x 2 = 260	26%
Quizzes (2)	70 x 2 = 140	14%
Final	200	20%
Homework	200	20%
Lab Work	200	20%
Total	1000	100%

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

Grading Scale:

93%	A
90%	A -
87%	B +
83%	B
80%	B -
77%	C +
70%	C
60%	D
Below 60%	F

Makeup Policy:

- Homework will not be accepted past the due date unless you make other arrangements with me BEFORE the due date.
- If you must miss an exam, see me BEFORE the date of the exam in order to set up a conflict exam time. Otherwise you will receive a zero for the missed exam.
- If you are ill on a day that a HW is due or an exam is scheduled, make sure you let me know via email THAT DAY. If you do not have access to email, you can call my office.

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.