

STAT 200 Elementary Statistics

Section 101

May 15, 2006 – June 26, 2006

Class:	8:00 – 9:15 AM 8:00 – 9:15 AM	MWF TR	118 Thomas 112 Bouke
Instructor:	Byran Smucker	TA:	Bo Kai
Office	301 Thomas	Office	316 Thomas
Office Hours	TWR 9:30-10:30	Office Hours	M 2-4
Office Phone	863-2314	Office Phone	863-3238

Course Material:

Textbook: Mind on Statistics, 2nd Edition by Utts and Heckard

Calculator: Basic

Web Page: <https://cms.psu.edu> -- VERY IMPORTANT

--- **ANGEL** account; please send **ALL** course-related e-mail via "In-Touch" tab in ANGEL

Course Objectives:

- Appropriately summarize data numerically and graphically
- Identify the relevant population characteristics in a problem
- Distinguish between population characteristics and sample information
- Apply techniques to make statistical inference about a population characteristic
- Identify the assumptions required for the validity of statistical inferences
- Recognize the strengths and limitations of sampling methods and study designs
- Use computer software to generate statistical information

Prerequisites:

- Completion of two years of high school algebra
- Logic skills

Topics:

- Overview of Statistics: Populations and Samples
- Types of Data and Study Designs
- Binomial Distributions, Normal Distributions, & Sampling Distributions
- Descriptive And Inferential Methods for:
 1. One Quantitative Variable (One, Two, and More Than Two Samples)
 2. One Categorical Variable (One, Two, and More Than Two Samples)
 3. Two Different Quantitative Variables & Two Different Categorical Variables

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.

Evaluation:

	Points	Percent
Midterm (June 2)	200	20%
Final (June 26)	250	25%
6 RAQs (drop lowest)	250	25%
5 Homeworks	150	15%
Lab Activity Quizzes	50	5%
Project	100	10%
Total	1000	100%

The Readiness Assessment Quizzes (RAQs) will not be “pop quizzes”. Quiz dates are provided on the Course Calendar. The quiz questions will cover the material provided in the previous classes, material provided in the sections of the text, and homework problems. The quizzes will be multiple choice.

The homework will consist of problems from the textbook and will be collected at the **beginning** of class period on the assigned due date.

The lab activity quizzes will primarily be designed to “grade” your solutions to the lab activities, providing prompt feedback to aid you in preparation for the RAQs and exams.

The final will be comprehensive.

Makeup Policy:

- Homework will **not** be accepted past the time they are due unless you make other arrangements with me BEFORE the due date.
- If you must miss the Midterm or Final, speak to 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 PRIOR to that class period. If you do not have access to email, call the statistics department office at 865-1348 (8am – 5pm) and leave a message with Jenn Parkes.
- You **will not** be able to negotiate missed exams and quizzes at the end of the semester.
- Deferred grades will only be considered for legitimate extenuating circumstances that occur near the end of the semester.

Grading Scale:

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