

STAT 100

(Fall 2009)

Course Statistics Concepts

Lecture 03:35pm – 4:25pm Monday, Wednesday & Friday
Room 101 Thomas Building

Textbook *STAT 100 Lecture Notes*
at the course (ANGEL) website www.cms.psu.edu
Seeing Through Statistics, 3rd Ed.
(2005, By Jessica Utts)
Minitab, Excel or JMP (optional)

Instructor Professor Dennis K. J. Lin
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Teaching Assistant

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Office Hours: 2:15—3:15pm (Tue) & 3:00—4:00pm (Thu)

Course Grade	Quizzes	15 %	Weekly, every Friday
	Project-1	10 %	Due October 28 th , Wednesday
	Project-2	10 %	Due December 2 nd , Wednesday
	First Exam	20 %	October 7 th , Wednesday
	Second Exam	20 %	November 11 th , Wednesday
	Final Exam	25 %	To Be Announced

Course Outline

Week	Dates	Topics	Reading (Chapter)	Assignment
1	8/24,26,28	What's Statistics All About	1,2,6	
2	8/31, 9/2,4	Descriptive Statistics: Graphics	7 & 9	Quiz#1
3	9/9,11	Descriptive Statistics: Numerical	7 & 9	Labor Day & Quiz#2
4	9/14,16,18	Probability	16 & 17	Quiz#3
5	9/21,23,25	Discrete Probability	16 & 17	Quiz#4
6	9/28,30, 10/2	Normal Distribution	8	Quiz#5
7	10/5,7,9	Review Q&A, Exam #1		Exam#1
8	10/12,14,16	Sampling Distribution	4 & 19	Quiz#6
9	10/19,21,23	Confidence Interval	21	Quiz#7
10	10/26,28,30	Hypothesis Testing	22, 23 & 24	Project #1 & Quiz#8
11	11/2,4,6	Simple Linear Regression	10 & 11	Quiz#9
12	11/9,11,13	Review Q&A, Exam #2		Exam#2
13	11/16,18,20	Simple Linear Regression	10 & 11	Quiz#10
14	11/23,25,27	Thanksgiving Break		No Class
15	11/30, 12/2,4	Time Series	15	Project #2 & Quiz#11
16	12/7,9,11	Chi-Square Test	12 & 13	Quiz#12

1. Required materials: textbook, class notes, and calculator.
2. Quizzes are 15 minutes long, Exams #1 & #2 are 50 minutes long (during the regular lecture session), and the Final Exam is two (2) hours long.
3. All tests are open book, meaning textbook, class notes, calculator, etc, can be used.
4. Project #1 is an individual project, while Project #2 can be accomplished by a team of three (maximum).
5. No late assignment will be accepted. No makeup quiz for whatever reason.
6. Attend All Classes. Experience shows that there is a high correlation between class attendance and exam performance. If you must miss, **it is your responsibility** to check your classmate or TA for material and announcement you missed.

A Message from President's Office

Special Fall 2009 Flu Protocols -In compliance with Pennsylvania Department of Health and Centers for Disease Control recommendations, students should NOT attend class or any public gatherings while ill with influenza. Students with flu symptoms will be asked to leave campus if possible and to return home during recovery. The illness and self-isolation period will usually be about a week. It is very important that individuals avoid spreading the flu to others.

Most students should be able to complete a successful semester despite a flu-induced absence. Faculty will provide students who are absent because of illness with a reasonable opportunity to make up missed work. Ordinarily, it is inappropriate to substitute for the missed assignment the weighting of a semester's work that does not include the missed assignment or exam. Completion of all assignments and exams assures the greatest chance for students to develop heightened understanding and content mastery that is unavailable through the weighting process. The opportunity to complete all assignments and exams supports the university's desire to enable students to make responsible situational decisions, including the decision to avoid spreading a contagious virus to other students, staff, and faculty, without endangering their academic work.

Students with the flu do not need to provide a physician's certification of illness. However, ill students should inform their teachers (but not through personal contact in which there is a risk of exposing others to the virus) as soon as possible that they are absent because of the flu. Likewise students should contact their instructors as quickly possible to arrange to make up missed assignments or exams.

For health-related questions you can email Dr. Margaret Spear, director, University Health Services, at uhsinfo@sa.psu.edu.