

Statistics 305 Spring 1997, Section C

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Text: *Statistics for Engineering Problem Solving* by Stephen B. Vardeman

Course Requirements:

- 1) **Class Attendance:** You are responsible for all material assigned as required reading and/or presented in lecture.
- 2) **Homework:** Assignments will be handed out on Thursday every two weeks and will be collected on Thursday of the following week. In general, late homework will not be accepted. There are 3 assignments worth 8 points each and 4 assignments worth 9 points each. Thus, a total of up to 60 points will be awarded. Typically, each assignment contains three exercises. However, only one exercise will be marked in detail and up to 4 (resp. 5) points will be awarded depending on correctness and partial solutions. The other two exercises will not be marked in detail. However, up to 2 points (each) will be awarded depending on your written efforts working on this exercise.
- 3) **Quizzes:** There will be five 60 point 1/2 period quizzes. However, only the four best quizzes will be used for your course grade. Thus, a maximum of 240 points can be received through quizzes. In general, there is no way to make up for a missed quiz. If you miss one quiz, the remaining four quizzes (still allowing up to 240 points) will count towards your grade; if you miss two quizzes, the remaining three quizzes (allowing only up to 180 points) will count towards your grade; etc.
This class meets for 75 minutes Tuesdays and Thursdays. Class will typically meet for 40 minutes, recess for 5 minutes and meet again for 35 minutes. On 5 designated days, the second period will be used as a quiz period.
- 4) **Final:** A 2 hour, 100 point comprehensive final exam during final week. Everyone (including graduating seniors) will take the final exam.
- 5) **Project:** There will be an out-of-class, group data collection and analysis project. Details of the project will be discussed during the third week of classes.

<u>Grading System:</u>	Quizzes	240 pts
	Homework	60 pts
	Final	100 pts
	Project	100 pts
	Total	500 pts

Course grades will be generally comparable (in terms of distribution) with grades assigned in other beginning statistics courses. Guarantees of minimum grades in the course are: 450 pts = A^- or better, 400 points = B^- or better, 350 points = C^- or better and 300 points = D^- or better.

Statistics 305 Spring 1997 — Approximate Schedule

<u>Date</u>	<u>Topic</u>	<u>Reading</u>	<u>Homework</u>	<u>Quiz</u>	<u>Project</u>
Tu 1/14	Introduction	Ch 1, 11			
Th 1/16	Data Collection	Ch 2			
Tu 1/21					
Th 1/23	Descriptive Statistics	Ch 3	1 out		
Tu 1/28					Pr. discussed
Th 1/30	Curve Fitting	Ch 4	1 due		
Tu 2/4	Curve & Surface Fitting				
Th 2/6	Surface Fitting/Factorials		2 out	Quiz 1	
Tu 2/11	Fitted Factorial Effects				
Th 2/13	Random Variables	Ch 5	2 due		
Tu 2/18					
Th 2/20			3 out	Quiz 2	
Tu 2/25					
Th 2/27	Random Variables/Simple Inference	Ch 6	3 due		
Tu 3/4	Simple Inference				
Th 3/6			4 out		
Spring Break					
Tu 3/18					
Th 3/20			4 due	Quiz 3	
Tu 3/25	One Factor Analyses	Ch 7			
Th 3/27			5 out		
Tu 4/1					
Th 4/3	Control Charts		5 due		
Tu 4/8	2 Factor Analyses	Ch 8			
Th 4/10	2^p Analyses		6 out	Quiz 4	
Tu 4/15	Inference in Curve & Surface Fitting	Ch 9			
Th 4/17			6 due		
Tu 4/22				Quiz 5	
Th 4/24	Fractional Factorials	Ch 10	7 out		Pr. due
Tu 4/29					
Th 5/1			7 due		