

GRADE SCALE

A	≥ 93%	C	73 – 76.9
A-	90 – 92.9	C-	70 – 72.9
B+	87 – 89.9	D+	67 – 69.9
B	83 – 86.9	D	63 – 66.9
B-	80 – 82.9	D-	60 – 62.9
C+	77 – 79.9	F	<60%

CE 2251 FALL 2015 – CLASS SCHEDULE

Week	Class	Topic	Reference Sections	Due
1	1	Sampling	N 1.1	
1	2	Summary Statistics	N 1.2	
1	3	Graphical Summaries	N 1.3	
2		<i>Labor Day – No Class</i>		
2	4	Probability: Basic Ideas & Counting Methods	N 2.1 – 2.2	
2	5	Conditional Probability & Independence	N 2.3	
3	6	Random Variables	N 2.4	HW1
3	7	Linear Functions of Random Variables	N 2.5	
3	8	Propagation of Error	N 3.1– 3.2	
4	9	Bernoulli & Binomial Distributions	N 4.1 – 4.2	HW2
4	10	Poisson Distribution	N 4.3	
4	11	Normal Distribution	N 4.5	
5	12	Lognormal & Exponential	N 4.6 - 4.7	HW3
5	13	Review for Midterm Exam 1		
5	14	MIDTERM EXAM 1	HW1 – HW3	
6	15	Principles of Point Estimation	N 4.9	
6	16	Central Limit Theorem	N 4.11	
6	17	Confidence Intervals for Population Mean	N 5.1, 5.3	
7	18	Confidence Intervals for Population Proportion	N 5.2	
7	19	Confidence Intervals for Difference between Means and Proportions	N 5.4 – 5.5	
7	20	Hypothesis Testing Fundamentals	N 6.1 – 6.2	HW4
8	21	Hypothesis Testing for Population Mean	N 6.1, 6.4	
8	22	Hypothesis Testing for Population Proportion	N 6.3	
8	23	Hypothesis Testing for Difference between Means and Proportions	N 6.5-6.6	HW5
9	24	The Chi-Square Test	N 6.10	
9	25	The F-test for equality of Variance	N 6.11	
9	26	Power	N 6.13	HW6
10	27	<i>Hypothesis Testing in Excel</i>		
10	28	Review for Midterm Exam 2		
10	29	MIDTERM EXAM 2		

Week	Class	Topic	Reference Sections	Due
11	30	Correlation	N 7.1	
11	31	Linear Regression	N 7.2	
11	32	Linear Regression: Uncertainties in Least Square Coefficients	N 7.3	
12	33	Linear Regression: Checking Assumptions and Transforming Data	N 7.4	HW7
12	34	Multiple Linear Regression	N 8.1	
12	35	Multiple Linear Regression: Confounding and Collinearity	N 8.2	
13		Thanksgiving Break - No Class		
13		Thanksgiving Break - No Class		
13		Thanksgiving Break - No Class		
14	36	Model Selection	N 8.3	HW8
14	37	<i>Correlation and Regression in Excel</i>		
14	38	<i>Correlation and Regression in Excel</i>		
15	39	Review for Midterm Exam 3		HW9
15	40	MIDTERM EXAM 3		
15	41	Review for FINAL EXAM		

****FINAL EXAM - Covers Entire Course (DEC 14, CAST 212, 3:30 - 5:30 PM)****