

**BUSINESS STATISTICS II**  
22-QA-282

Text: Statistics for Business & Economics 10th edition by Anderson, Sweeney, & Williams (optional)

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Office Hours: Tues./Thurs.9:30 AM - 10:30 AM and by appointment

<u>Date</u>	<u>Assignment</u>	<u>Topic</u>	<u>Practice Problems (optional)</u>
1/8	Orientation	Review	Chapter 9
1/10	9.1 - 9.3	Hypothesis Testing Means	Chapter 9
1/15	9.4 - 9.5	One and Two-tail Tests Type I & Type II Errors - p values	Chapter 9
1/17	9.5 - 10.2	Hypothesis Test - proportions Hypothesis Test - 2 means	Chapter 10
1/22	10.4	Hypothesis Test - 2 proportions	
1/24	12.1 - 12.3	Chi-Square - contingency tables - goodness of fit	Chapter 12
1/29	12.3	Analysis of Variance (ANOVA) & Experimental designs - Compute ANOVA table & make inferences	Chapter 12
1/31	<b>FIRST EXAM</b>		
2/5	14.1 - 14.3	Linear regression - estimate model parameters, model parameter inferences	Chapter 14
2/7	14.4 - 14.6	Linear regression - Regression model for estimating & predicting	Chapter 14
2/12	14.9 & 19.5	Sample correlation comp. & properties, population correlation coefficient & rank-order correlation. Tests of significance. Compute coefficient of determination	Chapter 14
2/14	15.1 - 15.7	Multiple regression - compute model parameters, using a computer package	Chapter 15
2/19	18.1 - 18.2	Time Series Analysis Linear & non-linear trends	Chapter 18
2/21	18.5	Forecasting linear & non-	Chapter 18

linear trends - Quality  
Control Charts

2/26	<b>SECOND EXAM</b>		
2/28	17.1 - 17.3	Index Numbers - CPI, PPI & S & P 500	Chapter 17
3/4	17.4 - 17.6	Index Numbers - Real Wages, Constant Wages, Deflated Wages Computations & forecasting inflation parameter	Chapter 17
3/6	<b>REVIEW INDEX NUMBERS</b>		
3/11	<b>NO CLASS - WORK ON COMPUTER ASSIGNMENT</b>		
3/13	<b>THIRD EXAM</b>		
3/18	<b>MAKE-UP EXAM</b>	<b>4:00 PM - 6:00 PM</b>	