# BADM 700 · Spring 2020 at a Glance

This is a suggested outline only. The instructor may change the topics or schedule as needed.

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<th>Week/Dates</th>
<th>Topics</th>
<th>Readings</th>
<th>Assignments</th>
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| Week 1: January 27 – February 2 | Introduction to Statistics and Research; Arithmetic Review | Preface and Chapter 1 | • Personal Background Form  
• Contact Instructor  
• Access SPSS Software  
• Quiz |
| Week 2: February 3–9 | Descriptive Statistics, Variability, and the Normal Curve | Chapter 2     | • SPSS for Windows—Fractions  
• SPSS for Windows—Explore  
• SPSS for Windows—Hypothetical Data  
• Running Another Program on SPSS for Windows  
• Stem and Leaf Plot Homework  
• Grouped Frequency Distribution Homework  
• Textbook Problems—Chapter 2  
• Quiz |
| Week 3: February 10–16 | The Normal Curve, Variability, and the Standard Deviation | Chapters 3 and 4 | • Using SPSS for Windows to Calculate Descriptive Statistics on Two Groups  
• Textbook Problems—Chapter 4  
• Quiz  
• Extra Credit: Excel 1—Descriptives, Frequency Distributions, and Histograms |
| Week 4: February 17–23 | Normal Curve Problems, Variability, and an Introduction to Hypothesis Testing | Chapter 5     | • Normal Curve Problems  
• Textbook Problems—Chapter 5  
• Quiz |
| Week 5: February 24–March 1 | Hypothesis Testing, The Central Limit Theorem, and Single Sample Hypothesis Tests | Chapter 6     | • Using SPSS for Windows to Obtain a z Score and Percentiles  
• Textbook Problems—Chapter 6  
• Quiz |
| Week 6: March 2–8 | **Proctored Midcourse Exam** | | |
| Week 7: March 9–15 | Hypothesis Testing and t-Tests | Chapters 7 and 8 | • Using SPSS for Windows: t-Test Assignment  
• Hypothesis Testing Homework  
• Textbook Problems—Chapters 7 and 8 |
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<tr>
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<td><strong>Spring Break: March 16–20</strong></td>
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| Week 8: March 23–29 | More on t-Tests and an Introduction to Correlation and Regression |                                   | • T-Test Worksheet: Windows Version  
• Correlation and Regression: Getting a Scatterplot with SPSS for Windows  
• Pearson r Exercise: SPSS and Excel |
| Week 9: March 30–April 5 | Analysis of Variance (ANOVA) | Chapters 11 and 13                    | • Textbook Problems—Chapter 11  
• Complete Correlation and Regression Problem  
• One-Way ANOVA Homework 1 |
| Week 10: April 6–12 | Factorial Analysis of Variance and Time Series Analysis | Chapter 12                        | • 2x2 Factorial ANOVA Homework  
• Time Series Homework |
| Week 11: April 13–19 | Introduction to Chi-square and Review for Final Exam | Chapter 14                        | No assignments due; study for exam |
| Week 12: April 20–26 |                                                 |                                   | **Proctored Final Exam**                                                                                      |