# BADM 700 · Spring 2019 at a Glance

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

<table>
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<th>Week/Dates</th>
<th>Topics</th>
<th>Readings</th>
<th>Assignments</th>
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| Week 1: January 28–February 3 | Introduction to Statistics and Research; Arithmetic Review | Preface and Chapter 1 | • Personal Background Form  
• Contact Instructor  
• Access SPSS Software  
• Quiz |
| Week 2: February 4–10 | 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 11–17 | 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 18–24 | Normal Curve Problems, Variability, and an Introduction to Hypothesis Testing | Chapter 5 | • Normal Curve Problems  
• Textbook Problems—Chapter 5  
• Quiz |
| Week 5: February 25–March 3 | 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 4–8 | **Proctored Midcourse Exam (Monday–Friday only)** |               |                                                                           |
| Week 7: March 11–17 | 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  
• Quiz |

*Spring Break: March 18–24*
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| Week 8: March 25–31 | More on t-Tests and an Introduction to Correlation and Regression | Chapters 9 and 10 | • T-Test Worksheet: Windows Version
• Correlation and Regression: Getting a Scatterplot with SPSS for Windows
• Pearson r Exercise: SPSS and Excel |
| Week 9: April 1–7       | 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 8–14     | Factorial Analysis of Variance and Time Series Analysis | Chapter 12        | • 2x2 Factorial ANOVA Homework
• Time Series Homework |
| Week 11: April 15–21    | Introduction to Chi-square and Review for Final Exam   | Chapter 14        | No assignments due; study for exam |
| Week 12: April 22–28    |                                                      |                   | **Proctored Final Exam** |

Proctored Final Exam