### SW 441 · Spring 2020 at a Glance

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

<table>
<thead>
<tr>
<th>Week/Dates</th>
<th>Topics</th>
<th>Readings, Tutorials, Handouts, and Data</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week 1:</strong> January 27–February 2</td>
<td>Orientation to the Course, and A Trip Down Memory Lane</td>
<td><strong>Textbook</strong>&lt;br&gt;• Faherty, chapters 1 and 2&lt;br&gt;<strong>Lynda.com Tutorials</strong>&lt;br&gt;• Excel 2013 Essential Training&lt;br&gt;  ○ Welcome (0:43)&lt;br&gt;  ○ Getting Started with Excel 2013 (29:37)&lt;br&gt;<strong>Handouts</strong>&lt;br&gt;• Quantitative versus Qualitative&lt;br&gt;• Language of Research&lt;br&gt;• Language of Research Diagram</td>
<td>Class Survey Assignment Application Activity 1.1 Practice Quiz</td>
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<td><strong>Week 2:</strong> February 3–9</td>
<td>Introduction to the Nature of Data and Coding Basics, and Descriptive Statistics</td>
<td><strong>Textbook</strong>&lt;br&gt;• Faherty, chapters 3, 5, and 6&lt;br&gt;<strong>Lynda.com Tutorials</strong>&lt;br&gt;• Excel 2013 Essential Training&lt;br&gt;  ○ Entering Data (24:01)&lt;br&gt;<strong>Data</strong>&lt;br&gt;• Student Surveys.pdf</td>
<td>Application Activities 2.1 and 2.2 Lab 1</td>
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<td><strong>Week 3:</strong> February 10–16</td>
<td>Inferential Statistics</td>
<td><strong>Textbook</strong>&lt;br&gt;• Faherty, chapter 8&lt;br&gt;<strong>Lynda.com Tutorials</strong>&lt;br&gt;• Excel 2013 Essential Training&lt;br&gt;  ○ 3. Creating Formulas and Functions&lt;br&gt;    ▪ Sum and Average (3:25)&lt;br&gt;  ○ 4. Formatting&lt;br&gt;    ▪ Creating and Using Tables (9:59)&lt;br&gt;  ○ 13. Pivot Tables&lt;br&gt;    ▪ Creating Pivot Tables (8:36)&lt;br&gt;<strong>Data</strong>&lt;br&gt;• 2017 Classroom Data—Excel&lt;br&gt;<strong>Handouts</strong>&lt;br&gt;• Hypothesis Testing&lt;br&gt;• Statistical Tests&lt;br&gt;• Decision Tree</td>
<td>Application Activities 3.1 and 3.2 Lab 2 Quiz 1</td>
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| Week 4: February 17–23     | Bivariate Analyses: Crosstabulations, The Elaboration Model, and Chi Square | Textbook  
  - Faherty, chapter 9  
  Lynda.com Tutorials  
  - SPSS Statistics Essential Training  
    - Introduction (1:36)  
    - Getting Started  
      - Touring the Interface (7:48)  
      - Getting Help (2:52)  
      - Reading Data...Spreadsheet (7:26)  
    - Descriptive Statistics for One Variable (15:14)  
  Data  
  - 2017 Classroom Data—Excel Handout  
  - Elaboration Model | Application Activities 4.1 and 4.2 Lab 3 |
|                            |                                                          |                                                                                                        |                                                  |
| Week 5: February 24–March 1 | Hypotheses of Association: Understanding and Interpreting Correlations | Textbook  
  - Faherty, chapter 11  
  Lynda.com Tutorials  
  - SPSS Statistics Essential Training  
    - Statistics for Associations  
      - Two Categorical Variables (5:58)  
  Data  
  - Suicide_Study.sav Handout  
  - Interpreting Cramers V and Pearson r | Application Activities 5.1 and 5.2 Lab 4 Quiz 2 |
|                            |                                                          |                                                                                                        |                                                  |
| Week 6: March 2–8          | Scattergrams and Linear Regression: The Basics           | Textbook  
  - Faherty, chapter 10  
  Lynda.com Tutorials  
  - SPSS Statistics Essential Training  
    - 8. Statistics for Association  
      - Correlation (5:23)  
  Data  
  - Suicide_Study.sav | Application Activity 6.1 Lab 5 Proctored Midcourse Exam (Monday–Friday) |
|                            |                                                          |                                                                                                        |                                                  |
| Week 7: March 9–15         | Single System Designs                                   | Course Reserves  
  - Rubin and Babbie, chapter 14  
  Lynda.com Tutorial  
  - SPSS Statistics Essential Training  
    - 7. Charts for Associations  
      - Scatterplots (4:33)  
    - 8. Statistics for Association  
      - Bivariate Regression (6:46)  
  | Discussion 1 Lab 6 Quiz 3 |

*Spring Break: March 16–20*
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| Week 8: March 23–29 | Hypotheses of Difference: \( t \)-Tests and Analysis of Variance     | * **Textbook**  
  • Faherty, chapters 12 and 13  
  * **Lynda.com Tutorial**  
  • SPSS Statistics Essential Training  
    o 8. Statistics for Associations  
      ▪ Comparing Two Means: Independent \( t \)-Tests (5:55)  
      ▪ Comparing Paired Means: Paired \( t \)-Tests (6:05)  
  * **Data**  
    • Suicide_Study.sav                                                 | Application Activities 8.1 and 8.2 Lab 7                                                               |
| Week 9: March 30–April 5 | Enhancing Program Performance with Logic Models | * **Course Reserves**  
  • University of Wisconsin, Cooperative Extension, “Developing a logic model” (PPT)  
  * **Handout**  
    • University of Wisconsin, Logic Model Templates                  | Logic Model Quiz 4                                          |
| Week 10: April 6–12 | Using Data to Evaluate Programs: Formative and Process Program Evaluations | * **Course Reserves**  
  • Royse, Thyer, and Padgett, chapter 5  
  * **Handout**  
    • University of Wisconsin, Logic Model Illustrating Program Evaluation | Discussion 2                                               |
| Week 11: April 13–19 | How to Get your Message Across Using Charts, Pictures, and Graphs      | * **Textbook**  
  • Faherty, chapter 4  
  * **Lynda.com Tutorials**  
  • Excel 2013: Working with Charts and Graphs  
    o Creating a Chart (1:37)  
    o Modifying…Charts (6:23)  
    o Using a Line Chart (3:01)  
  | Lab 8                                                                    |
| Week 12: April 20–26 | Understanding Qualitative Data: An Introduction to Content Analysis | * **Course Reserves**  
  • Berg and Lune, chapter 11                                           | Discussion 3                                               |
| Week 13: April 27–May 1 |                                                                 | **Proctored Final Exam**  
  *(Monday–Friday only)*                                                 |                              |