**Advanced Statistics and Research Methods for Psychology I**

**Fall 2021**

**PSYC 611 Lab (203 & 204)**

Rebecca Correll

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Office hours online by appointment.

**IMPORTANT DATES**

August 30 is the last day to add this class

September 7 is the last day to drop this class with no tuition penalty

September 27 is the last day to drop this class with 100% tuition penalty

**GRADING POLICY**

10% for attending (allow 2 absences)

90% for homework submission

Each homework is worth 10 points (lowest two homeworks are dropped)

**TENTATIVE SEMESTER SCHEDULE**

All lab homework will be uploaded to Blackboard at the start of lab. It is expected that you will work on these assignments in lab and submitted at the end of our lab session. If you are unable to complete the assignment within the allotted lab time, you may finish them independently and submit the assignments for full credit by the start of the following lab.

*This lab schedule is tentative, as each week will be based on what the lecture covered.*

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| **Week** | **Date** | **Topic** |
| 1 | Th 8/26 | Data Cleaning Overview of Lab. Intro to Variables & Data |
| 2 | Th 9/2 | Descriptive Statistics |
| 3 | Th 9/9 | Data Cleaning & Missing Data |
| 4 | Th 9/16 | Reliability, Validity, & Intro to Inferential Statistics |
| 5 | Th 9/23 | Z tests & t tests |
| 6 | Th 9/30 | Covariance, & Correlation |
| 7 | Th 10/7 | Simple Regression |
| 8 | Th 10/14 | **No Class – Fall Break** |
| 9 | Th 10/21 | Multiple Regression |
| 10 | Th 10/28 | Linear Regression Assumptions & Diagnostics + Statistical Power |
| 11 | Th 11/4 | One-way ANOVA |
| 12 | Th 11/11 | Factorial ANOVA |
| 13 | Th 11/18 | ANCOVA |
| 14 | Th 11/25 | **No Class - Thanksgiving** |
| 15 | Th 12/2 | **No Class** |