**STAT 501 – Course Schedule – Fall 2015**

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| **Week** | **Online Course Notes Reading** | **Course Text Reading** | **Homework/Exam Due 11 pm** |
| Aug 24-30 | Lesson 1 – Simple Linear Regression | 1.1-1.8 and 2.9-2.11 | HW 1 – Sun Aug 30 |
| Aug 31-Sep 6 | Lesson 2 – SLR Model Evaluation | 2.1-2.3, 4.4, 2.7-2.8 and 3.7 | HW 2 – Sun Sep 6 |
| Sep 7-13 | Lesson 3 – SLR Estimation & Prediction | 2.4-2.6 | HW 3 – Sun Sep 13 |
| Sep 14-20 | Lesson 4 – SLR Model Assumptions | 3.1-3.3 | HW 4 – Sun Sep 20 |
| Sep 21-27 | Lesson 5 – Multiple Linear Regression | 5.1-5.13 and 6.1-6.6 | HW 5 – Sun Sep 27 |
| Sep 28-Oct 4 | Lesson 6 – MLR Model Evaluation | 7.1-7.4 | HW 6 – Sun Oct 4 |
| Oct 5-11 | **Midterm Exam 1 (covers Lessons 1-6)**  Lesson 7 – MLR Estimation, Prediction & Model Assumptions | **Open 12 noon Oct 6**  6.7, 3.4-3.6, 6.8 | **Midterm 1 due Sun Oct 11**  No HW due |
| Oct 12-18 | Lesson 8 – Categorical Predictors | 8.3-8.7 | HW 7 (covering lessons 7 and 8) – Sun Oct 18 |
| Oct 19-25 | Lesson 9 – Data Transformations | 3.8-3.9, 8.1-8.2 | HW 8 – Sun Oct 25 |
| Oct 26-Nov 1 | Lesson 10 – Model Building | 9.1-9.6 | HW 9 – Sun Nov 1 |
| Nov 2-8 | Lesson 11 – Outliers & Influential Points | 10.2-10.4 | HW 10 – Sun Nov 8 |
| Nov 9-15 | **Midterm Exam 2 (covers Lessons 7-11)**  Lesson 12 – Multicollinearity & Other Regression Pitfalls | **Open 12 noon Nov 10**  7.6, 10.5, 11.2 | **Midterm 2 due Sun Nov 15**  No HW due |
| Nov 16-22 | Lesson 13 – Weighted Least Squares & Robust Regression | 11.1, 11.3 | HW 11 (covering lessons 12 and 13) – Sun Nov 22 |
| Nov 23-29 | **Thanksgiving Break Week** |  |  |
| Nov 30-Dec 4 | Lesson 14 – Time Series & Autocorrelation | 12.1-12.5 | No HW due |
| Dec 5-9 | Lesson 15 – Nonlinear Regression & Generalized Linear Models | 14.1-14.14 | HW 12 (covering lessons 14 and 15) – Wed Dec 9 |
| Dec 10-15 | **Final Exam (covers Lessons 1-15)** | **Begin period Dec 10** | **Final exam end period Dec 15** |

**Note:** Lessons 1-13 each span weeks running Monday-Sunday with Homework due by 11pm Sunday. However, Lessons 14 and 15 each span 5-day periods with Homework 12 covering those two lessons due by 11pm Wednesday. This allows for a clear Final Exam period running Thursday-Tuesday.