

**Instructor Information:**

Andrew (Andy) Wiesner, PhD  
 Department of Statistics  
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**Office Hours:** Tuesday and Thursday 2:00 – 3:30

**Teaching Assistant:** Min Kim [mzk132@psu.edu](mailto:mzk132@psu.edu)

**Office Hours:** Wednesday 10:00 – 12:00  
**Office:** 330B Thomas  
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**Meeting Times:**

Monday and Friday from 3:55 to 5:10 in 117 Thomas  
 Tuesday, Wednesday, Thursday 3:55 to 5:10 in 004 Life Science

**Prerequisite:** 6 credits in statistics; matrix algebra

**Description:** This course offers an introduction into regression analysis. A researcher is often interested in using sample data to investigate relationships, with an ultimate goal of creating a model to predict a future value for some dependent variable. The process of finding this mathematical model that best fits the data involves regression analysis. Topics will include: simple and multiple linear regression, inference, diagnostics, building a regression model, and correlation. We will use the statistical software **Minitab** to conduct our analyses. Minitab is loaded on the campus computers. If you plan on working away from campus you may want to consider purchasing a copy at the PSU Computer Store or downloading a free 30-day trial at [www.minitab.com](http://www.minitab.com)

**Text:** *Applied Linear Statistical Models* (5<sup>th</sup> edition), Kutner, Nachtsheim, Neter and Li

**NOTE:** Please bring the text with you to class meetings. We will review the examples during lab, plus the quizzes and final will be open book.

**Grading:**

- Five weekly homeworks: 30% (5 weekly assignments)
- Best 10 of 11 in-class quizzes (no make ups, must be taken in class): 30%
- Final (cumulative) Friday, June 23 last day of class: 40%

F	D	C	C+	B-	B	B+	A-	A
0	60	70	77	80	83	87	90	93