

## STA 6167 Statistical Methods in Research II

( Spring 2018 )

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**Office Hours:** Monday & Wednesday 13:00-15:00

**Textbook:** Moore, McCabe and Craig (2017) Introduction to the Practice of Statistics, Ninth Edition, W. H. Freeman and Company, New York

**Prerequisite:** STA 6166

### Coverage

- Review of Statistical Inference Based on One Sample
- Statistical Inference Based on Two Independent Samples
- Analysis of Two-way Tables:  $\chi^2$  Test
- Regression Analysis (One-predictor Models)
- Regression Analysis (Multi-predictor Models)
- One-way Analysis of Variance
- Two-way Analysis of Variance

SPSS will be used in this class.

### Tests and Exam

1. Keep four decimal places for all your answers. Caution: You may lose points for tests and/or exams if you fail to do so.
2. Completely mark out any work which you do not want to show to the instructor. If you provide two or more solutions to the same problem the worst one will be picked for grading.
3. You must show your complete work to receive full/partial credit for all the problems except True/False problems and Multiple Choice problems.
4. To receive credit for True/False problems and multiple-choice problems, correct answers must be circled. If you fail to choose the correct answer or choose more than one answer, you will get no credit for that question. Your work for True/False problems and multiple-choice problems will be ignored.
5. Do not use red pen. The instructor will use this color for grading.

### Grading

1. Your grades will be based on three tests (60%) and the comprehensive final exam (40%).
2. The lowest test score will be dropped before the final averaging. The final exam is required and the final exam score will not be dropped.

## Grading Scale

90% - 100% A	80% - 83% B	70% - 73% C	60% - 63% D
87% - 89% A–	77% - 79% B–	67% - 69% C–	57% - 59% D–
84% - 86% B+	74% - 76% C+	64% - 66% D+	0% - 56% F

## Important Dates

January 15 (Monday) MLK Day (no class)  
February 7 (Wednesday) Test 1  
February 28 (Wednesday) Test 2  
March 12 (Monday) & March 14 (Wednesday) Spring Break (No class)  
March 19 (Monday) Last day to drop this class  
March 28 (Wednesday) Test 3  
April 23 (Monday) or April 25 (Wednesday) Final Exam (TBD)  
May 3 (Thursday) Grades Posted

The test dates are listed here. Before you decide to register, please make sure that you will be available on those dates. No makeup tests will be given.

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