

# STATISTICS 3573

## PROBABILITY AND STATISTICS

**Instructor:** Joel Schmitter

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**Office Hours:**

MTW 10:00 – 11:00

WR 2:00 – 3:00

or by appointment

**Prerequisites:** Math 1233 or a satisfactory score on the placement exam.

### **MINITAB, TI-84, or TI-83 Graphing Calculator**

An aid that will make it easier to be successful in this course is having a TI graphing calculator or a personal computer with MINITAB installed on it. MINITAB is a statistics software package that can be downloaded **free** from MINITAB.com. You can use this free software for only 30 days so if you download it you should wait until the last 30 days of the semester. Of course MINITAB is available on all the computers in our classroom Bolin 109 and is also available on some of the computers in the student center. All of the statistical tests we cover in this course can be done on a TI-84 calculator and all but one test can be done on a TI-83. I recommend you choose one of the two methods, MINITAB or TI calculator, to complete this course. You can use a regular calculator with tables in the book but this is more difficult than using a TI-84, TI-83, or MINITAB.

### **Textbook Foldout**

The paper version of the textbook has a removable 8-page foldout that contains formulas and tables that can be used when taking quizzes and exams. A copy of this will be posted on D2L when needed. There also will be a table for the binomial distribution posted on D2L when needed. You can also pick up a copy in the math office Bolin 118.

**Textbook: Essentials of Statistics 6<sup>th</sup> ed. Mario F. Triola**

**Grading:** There will be 3 exams worth 100 points each, 8-10 quizzes or homework assignments worth a total of 100 points, and a comprehensive final exam worth 150 points. Your 2 lowest quiz scores will not count toward your grade. Missed quizzes cannot be made up. If you miss an exam you must arrange to makeup the exam before the next class period. Only one exam can be made up.

| % of Total Points | Grade |
|-------------------|-------|
| 90 - 100          | A     |
| 80 – 89           | B     |
| 70 - 79           | C     |
| 60 - 69           | D     |
| 0 - 59            | F     |

**Attendance:** A student with more than 2 absences may be dropped from the course.

Students should refer to the current MSU Student Handbook and Activities Calendar for university policies on academic dishonesty, class attendance, student rights and activities.

### Tentative outline

| Week of | Chapter and Sections Covered      |
|---------|-----------------------------------|
| Aug 22  | 1, 2.1 – 2.4                      |
| Aug 29  | 3.1 – 3.3                         |
| Sept 5  | 4.1 – 4.3                         |
| Sept 12 | 5.1 – 5.2                         |
| Sept 19 | Exam 1                            |
| Sept 26 | 6.1 – 6.3                         |
| Oct 3   | 6.4 – 6.6                         |
| Oct 10  | 7.1, 7.2                          |
| Oct 17  | Exam 2                            |
| Oct 24  | 8.1 – 8.3                         |
| Oct 31  | 9.1 – 9.3                         |
| Nov 7   | 10.1 – 10.3                       |
| Nov 14  | 11.2                              |
| Nov 21  | Exam 3                            |
| Nov 28  | Review For Final                  |
| Dec 8   | Thursday, Final Exam 8:00 – 10:00 |