

**Instructor:** Trent DeGiovanni

**Office:** JWB 206

**E-Mail Address** degiovan@math.utah.edu

**Instructor Office hours:** MW 9:30 - 10:30 am, or by appointment

**Lecture:** MWF 8:35-9:25 AM, CSC 205

**Textbook** *The Basic Practice of Statistics* 6th ed.

**ISBN- 13:** 978-1464104336

**Course Website:** Canvas page (if you do not have access see me)

**Homework:** Homework will be due at the beginning of class on Mondays. Exceptions will be made for various holidays and exam weeks. A tentative schedule with a full list of dates can be found on Canvas. Late homework **will not** be accepted, but two of the lowest assignment scores will be dropped at the end of the semester. No digital copies of homework will be accepted.

**Quizzes:** Weekly quizzes will be given in class on Fridays. Makeup quizzes **will not** be given, but two of the lowest quiz scores will be dropped at the end of the semester.

**Midterm exams:** Two in-class midterm exams and a final exam will be given. Tentative dates: Friday, October 4th and Friday, November 15th.

**Final exam:** The final exam will be Wednesday, December 11, from 8:00am-10:00am in the same room as lecture.

**Calculators:** Calculators that do not connect to the internet may be used during quizzes and exams. Cell phones **may not** be used for this purpose (or any other purpose) during quizzes and exams.

**Project:** Near the end of the semester, students will complete a project using spreadsheet software. For this you may use your own computer, or you may use the lab in the T. Benny Rushing Mathematics Center, Rm 155C, located underground between JWB and LCB.

**Tutoring:** Additional help can be found in the T. Benny Rushing Mathematics Student Center (adjacent to JWB and LCB), Room 155. Students can also find computers with access to mathematical software (Matlab, Maple, etc.) in the computer lab here. Hours and more information: <http://www.math.utah.edu/undergrad/mathcenter.php>.

### Grading weight and scale

Project	Final	Midterms	Homework	Quizzes
5 %	30%	30 %	20 %	15 %

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
[100,93]	(93,90]	(90,87]	(87,83]	(83,80]	(80,77]	(77,73]	(73,70]	(70,67]	(67,63]	(63,60]	(60,0]

\*The instructor has the right to modify if necessary.

### Course Objectives

Upon successful completion of this course, a student should be able to:

- Summarize the data using charts, graphs, histograms, and to calculate basic descriptive statistics like the mean, standard deviation, median and quartiles.
- Work with the normal distribution and use table to find probabilities.
- Understand the difference between correlation and causation.
- Perform regression analysis and compute correlation.
- Understand the Central Limit Theorem and the normality assumption.
- Understand the basics of tests of significance and confidence intervals including z-tests, t-tests, proportion tests, Chi-square tests, ANOVA and non-parametric tests.
- Perform simple statistical analysis of large data sets using spreadsheets (throughout the whole course).

**Student Responsibilities:** All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from and class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. <http://regulations.utah.edu/academics/6-400.php>

**Students with disabilities** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

**Safety:** The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit <https://safeu.utah.edu/>.