

ECON 262 Principles of Statistics II

Wintermester 2019

Number of Credits

3

Instructor

Bob Dick, PhD

Catalog Description

Hypothesis testing; simple linear regression and correlation; analysis of variance; chi-square applications. Emphasis on data analysis as it relates to business decision-making.

Required Textbooks/Materials

The following texts and materials are required in this course:

Text: *Business Statistics*, 2nd ed. by Sanjiv Jaggia and Alison Kelly

Online access: You will need to purchase access to Connect. You will need to [register for Connect online](#).

Calculator: You will need a reasonably good calculator for this course. The TI-30X series or better will work.

Please note: the Wolf Shop has the version specifically for UNR. If you took ECON 261 in the fall semester, then you have the correct book and access to Connect.

If you took ECON 261 earlier than fall 2016, you will have to purchase the new text. You can get the text and Connect packaged together or Connect by itself. Connect by itself includes a copy of the text as an e-book. The difference in price, however, is marginal. Be sure to get the text version specifically designed for this class.

Student Learning Outcomes

Upon successfully completing this course, students will be able to

- apply the methodology of basic hypothesis testing and understand how the process is used in business decision making;

- correctly identify and apply appropriate statistical tests for quantitative and qualitative single and two population parameters;
- use and interpret correlation and develop simple and multiple regression models to address a variety of business examples; and
- develop and interpret output provided by statistical software for the statistical procedures covered in the course and be able to adequately verbalize the statistical conclusions provided by the software output.

First Week of Materials/Assignments

The following schedule is subject to change:

January 2: Material: Review, Hypothesis Tests
Reading: chapters 3, 6, 7, 8, 9

January 3: Material: Tests on Means Proportions
Reading: chapter 9, 10

January 4: Material: Two Population Tests
Reading: chapter 10

January 7: Material: First Midterm, Variance Tests
Reading: chapter 11

Course Details

Examinations: There will be three exams given during the course of the semester. Each will be weighted the same (50 points). None of the exams will be cumulative, but you will be expected to have a grasp of all materials covered up to that point.

Homework: There will be three homework assignments. The assignments will be available on Connect and must be submitted by the due time and date.

Statistics Programs: This class will use Minitab as the platform for statistical analysis. You can use another program (such as Excel), but you will find Minitab much easier for statistical calculations. You can access Minitab on the computer labs in AB301, 309 as well as in 312 during class and when it is open. Minitab can also be accessed through the computing center at the library.

WebCampus: WebCampus will be used to post all of the material you will need for the class such as PowerPoint slides, assignments and data needed for worksheets, quizzes and exams.

Connect: Access to Connect is required for this class. If you purchased Connect in the fall semester, you do not have to repurchase it.

Grade Breakdown

The point distribution for the course is:

Assignment	Points
Homework (three worth 50 points each)	150
Examinations (three worth 50 points each)	150
<i>Total</i>	<i>300</i>

The percentage distribution for the course is:

Letter	Percentage
A	95–100
A-	90–94
B+	87–89
B	84–86
B-	80–83
C+	77–79
C	74–76
C-	70–73
D+	66–69
D	60–65
D-	56–59
F	below 55