

- **Instructor** Ofer Harel
 Office AUST 320
 Email ofer.harel@uconn.edu
 Lectures Mon/Tue/Wed/Thu/Fri 9:00am-12:30pm, AUST 344

- **Texts** A First Course In Business Statistics, 10th or 3rd Uconn custom ed.
McClave, Benson, and Sincich

An Introduction to Data Analysis Using MINITAB 17, 5th Uconn custom ed.
McLaughlin and Wakefield

- **Syllabus**

Date	Topic	Assigned Reading
May 13	Introduction, Data, Graphical Descriptive Techniques	Chapter 1, 2.1, 2.2
May 14	Numerical Descriptive Measures of Central Tendency and Variability Numerical Measures of Relative Standing, Box Plots, z -scores, Outliers, Scatterplots Regression	2.4 – 2.6 2.7 – 2.9 10.1-10.2
May 15	Introduction to Probability, Sample Spaces, Events, Probability Rules	3.1 – 3.4
May 16	Conditional Probability, Independent Events, Probability Tables and Trees	3.5 – 3.7
May 17	Discrete Random Variables; Probability Distributions, Expected Value and Variance;	4.1 – 4.4
May 20	Binomial Distribution	4.1 – 4.4
May 21	Bivariate Distributions, Independent Random Variables, Covariance, and Correlation Review	
May 22 10am-12pm	Midterm Exam	Chapters 2-4
May 23-24	Continuous Probability Distributions; Uniform Distribution, Normal Distribution Limit theorems, Sampling Distributions Confidence Interval for a Population Mean	4.5 – 4.7 4.9 – 4.12 5.1, 5.2
May 27	Memorial day!	
May 28-29	Confidence Interval for a Population Proportion; Sample Size Determination Hypothesis Testing; Test of Hypothesis about a Population Mean: z -test; Observed Significance Level: p -value;	5.3 – 5.4 6.1 – 6.3

May 30	Test of Hypothesis about a Population Mean: t -test; Test of Hypothesis about a Population Proportion Comparing Two Population Means: Independent Sampling and Paired t -test Review	6.4, 6.5 7.1 – 7.3
May 31 10am-12pm	Final Exam	Chapters 5-7

• **MINITAB assignment**

All assignment are based on data sets in the textbook by *McLaughlin and Wakefield*. Attach your MINITAB output and present your answers typed neatly. Make sure you put your name and section number on each assignment. All pages have to be stapled. To pass the class you *must* submit at least 4 assignments.

Assignment#	Due Date	Problems
1	May 17	Exercise 1 on p. 17; Exercises 1 and 3 on p. 33; Exercises 1 and 4 on p. 49
2	May 24	Exercise 1 on p. 61; Exercise 1 on p. 77; Exercises 2 and 3 on p. 103
3	May 31	Exercises 3 and 4 on p. 121
4	May 31	Exercises 1, 2, and 3 on p. 143
5	May 31	Exercises 1 and 2 on p. 163

• **Grades**

- both midterm exam and final exam are in-class exams, open book and class notes
- grades are based on the following sum: midterm exam (100 points) + final exam (100 points) + MINITAB assignments (50 points) + in-class quizzes (50 points) + all-quizzes-attendance (5 points)
- final exam covers only the second half of the course
- there will be no make-up exams

• **Academic Integrity**

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment of the research and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned.

Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, and examinations); any attempt to influence improperly (e.g. bribery, threats) any member of the faculty, staff, or administration of the University in any matter pertaining to academics or research; presenting, as one's own, the ideas or words of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved.

A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation...¹

¹The Student Code, Part VI: Academic Integrity in Undergraduate Education and Research