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For HuskyCT technical support, during regular business hours contact HuskyTech. Excluding materials for purchase, syllabus information is subject to change. The most up-to-date syllabus is located within the course in HuskyCT.

- **Instructor** Ofer Harel
Office WebEx personal room
Email ofer.harel@uconn.edu
Meeting times Mon/Tue/Wed/Thu/Fri 9:00am-12:30pm
Meeting location HuskyCT course website (available through <https://learn.uconn.edu/>)
- **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
- **Hardware** A fully functional computer running on the Windows or the Mac OS is required. Using a computer running on the Linux or the Android OS to complete the coursework is strongly discouraged. A Scientific / Graphing Calculator is required. A microphone and a webcam are recommended for participating in class, discussion, and WebEx office hours.
- **Software** I have found that it is most convenient to most students to use Microsoft WORD to work on the assignments. If you do not have Microsoft WORD installed on your computer, you can get it (and other software included in the Microsoft Office Suite) here. Please install Microsoft WORD on your computer. Assignments can be submitted using WORD or pdf only. Any other file format will not be graded. You will be using the statistical software Minitab extensively in this course. Minitab released its latest version, Minitab 19, last summer. The previous version, Minitab 18, was not supported on the Mac OS and Mac users had to use the UConn AnyWare Desktop to gain access to Minitab. Minitab 19 is supported on the Mac OS (version 10.14 or higher), though some of the functionalities of the Windows version are not yet available on the Mac Version. You can download Minitab 19 here.

Unfortunately, our Minitab Workbook has not yet been updated to be fully compatible with Minitab 19. You can broadly use the Workbook to navigate your way through Minitab 19, but there will be instances when the steps outlined in the Workbook will not apply to Minitab 19. Minitab 18 is still available on the UConn AnyWare Desktop and you may decide to bypass Minitab 19 altogether, but there are definite advantages to having Minitab installed on your computer. If the UConn AnyWare Desktop link does not work for you, connect to the UCONN VPN and try again. If you run into any problem with the UConn AnyWare Desktop, please report it to helpcenter@uconn.edu or call (860)486-4357 during normal business hours. It is extremely important that you determine how you are going to access Minitab well ahead of time.

- **Syllabus**

Date	Topic	Assigned Reading
May 11	Introduction, Data, Graphical Descriptive Techniques	Chapter 1, 2.1, 2.2
May 12	Numerical Descriptive Measures of Central Tendency and Variability	2.4 – 2.6
	Numerical Measures of Relative Standing, Box Plots, z -scores, Outliers, Scatterplots	2.7 – 2.9
	Regression	10.1-10.2
May 13	Introduction to Probability, Sample Spaces, Events, Probability Rules	3.1 – 3.4
May 14	Conditional Probability, Independent Events, Probability Tables and Trees	3.5 – 3.7
May 15	Discrete Random Variables; Probability Distributions, Expected Value and Variance;	4.1 – 4.4
May 18	Binomial Distribution	4.1 – 4.4
May 19	Bivariate Distributions, Independent Random Variables, Covariance, and Correlation Review	
May 20 10am-12pm	Midterm Exam	Chapters 2-4
May 21-22	Continuous Probability Distributions; Uniform Distribution, Normal Distribution	4.5 – 4.7
	Limit theorems, Sampling Distributions	4.9 – 4.12
	Confidence Interval for a Population Mean	5.1, 5.2
May 25	Memorial day!	
May 26-27	Confidence Interval for a Population Proportion; Sample Size Determination	5.3 – 5.4
	Hypothesis Testing; Test of Hypothesis about a Population Mean: z -test; Observed Significance Level: p -value;	6.1 – 6.3

May 28	Test of Hypothesis about a Population Mean: <i>t</i> -test; Test of Hypothesis about a Population Proportion Comparing Two Population Means: Independent Sampling and Paired <i>t</i> -test Review	6.4, 6.5 7.1 – 7.3
May 29 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. To pass the class you *must* submit at least 4 assignments.

Assignment#	Due Date	Problems
1	May 15	Exercise 1 on p. 17; Exercises 1 and 3 on p. 33; Exercises 1 and 4 on p. 49
2	May 22	Exercise 1 on p. 61; Exercise 1 on p. 77; Exercises 2 and 3 on p. 103
3	May 29	Exercises 3 and 4 on p. 121
4	May 29	Exercises 1, 2, and 3 on p. 143
5	May 29	Exercises 1 and 2 on p. 163

- **Grades**

- both midterm exam and final exam are timed 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) + online (during class time) 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