

- **Instructor** Vladimir Pozdnyakov
Office HART 121
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Office Hours by appointment

- **Lectures**
Section 71 Tue/Thu 10-11:40am, HITC 104
Section 72 Tue/Thu 12:00-1:40pm, HITC 104

- **Class Web Page** <http://merlot.stat.uconn.edu/~boba/stat1000/>

- **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**

Week of	Topic	Assigned Reading
Aug 30	Data, Graphical Descriptive Techniques	Chapter 1 2.1, 2.2
Sep 6	Measures of Central Tendency and Dispersion	2.4 – 2.6
Sep 13	Numerical Measures of Relative Standing, Box Plots, Outliers, Scatterplots	2.7 – 2.9
Sep 20	Introduction to Probability, Sample Spaces, Events, Probability Rules	3.1 – 3.4
Sep 27	Conditional Probability, Independent Events, Probability Trees	3.5 – 3.7
Oct 4	Discrete Random Variables; Probability Distributions, Mean and Variance; Binomial and Poisson Distributions	4.1 – 4.4
Oct 11	Continuous Probability Distributions; Normal Distribution	4.5 – 4.7, 4.9
Oct 18	Bivariate Distributions, Independent Random Variables, Covariance, and Correlation	
Section 71, Oct 22 10-11:40am	Midterm Exam	Chapters 2-4
Section 72, Oct 22 12:00- 1:40pm	Midterm Exam	Chapters 2-4

Week of	Topic	Assigned Reading
Oct 25	Limit theorems, Sampling Distributions	4.10, 4.11
Nov 1	Confidence Interval for a Population Mean	5.1 – 5.3
Nov 8	Confidence Interval for a Population Proportion; Sample Size Determination	5.4, 5.5
Nov 15	Hypothesis Testing; Test of Hypothesis about a Population Mean: z -test; p -value;	6.1 – 6.3
Nov 29	Test of Hypothesis about a Population Mean: t -test; Test of Hypothesis about a Population Proportion	6.4, 6.5
Dec 6	Comparing Two Population Means: Independent Sampling and Paired t -test, Review	7.1 – 7.3
Section 71 Dec 18, 11-1pm	Final Exam	Chapters 5-7
Section 72 Dec 15, 11-1pm	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	Sep 24	Exercise 1 on p. 17; Exercises 1 and 3 on p. 33; Exercises 1 and 4 on p. 49
2	Oct 22	Exercise 1 on p. 61; Exercise 1 on p. 77; Exercises 2 and 3 on p. 103
3	Nov 19	Exercises 3 and 4 on p. 121
4	Dec 10	Exercises 1, 2, and 3 on p. 143
5	Dec 10	Exercises 1 and 2 on p. 163

- **Grades**

- both midterm exam and final exam are in-class exams, open book and class notes, multiple-choice
- 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

- **Final Exam**

Students are required to be available for their exam during the stated time. If you have a conflict with this time you must visit the Office of Student Services and Advocacy to discuss the possibility of rescheduling this exam. Please note that vacations, previously purchased tickets or reservations, graduations, social events, misreading the exam schedule and over-sleeping are not viable excuses for missing a final exam. If you think that your situation

warrants permission to reschedule, please contact the Office of Student Services and Advocacy with any questions. Thank you in advance for your cooperation.

- **Academic Integrity**

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgement 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