

Department of Statistics and Computer Information Systems
Baruch College Zicklin School of Business
The City University of New York
 SYLLABUS
 STA 2000 Fall 2014

Professor Linda W. Friedman
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 Office phone: 646.312.3361. Of course, email is always best.
 Office Hours: TBA and by appointment

Section NET1: Fully Online
 Classroom: Subotnick Center Trading Room
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- *Textbook*: Pearson custom edition for STA 2000 (Baruch College) of *Business Statistics: A First Course, 6/E* (2013) by Levine, Krehbiel, Berenson, with access code to MyStatLab. For this class purchase directly at a special Baruch price. See the Blackboard course site for details.
- *Software*: MS Excel 2010
- *Homework Manager*: MyStatLab (Pearson)
- *Recommended Workbook*: *Schaum's Outline of Business Statistics, 4th Edition*, by L. Kazmier (McGraw-Hill, 2009).
- *Additional course materials* at: <https://sites.google.com/site/proffriedmanstat/>

<u>TOPICS</u>	<u>CH (Levine)</u>
Introduction to Business Statistics	1
Descriptive Statistics	2, 3
Introduction to Correlation	2
Simple Linear Regression	12
Basic Probability	4
Probability Distributions	5, 6
The Normal Distribution	6
Sampling Distributions & the Central Limit Theorem	7
Statistical Inference: Inferences about μ and P	8, 9
Confidence Intervals and Hypothesis Testing	8, 9
The Student's t Distribution	8, 9
Statistical Inference: Two-sample tests	10
Chi-Square Tests	11

For a week-by-week course outline, see the "Dynamic Course Outline" on the Blackboard course site. This is a fully online class, which means that in-class meetings are replaced with online coursework. In general, for most 3-credit statistics classes, you should expect to spend 3 hours in class per week and an additional 3 hours per week doing course work (reading, homework, etc.). In our online statistics course, almost all of that is done online, independently and asynchronously. All exams will take place on campus.

GRADING (These percentages are approximate and may change):

- Homework [HW] Assignments – 5%
- Blackboard Discussions [BB] – 5%
- Extra Credit: MyStatlab HW problems – up to an additional 5%
- Exam 1 – 25% / Exam 2 – 25%
- Final exam (comprehensive) – 40%

ACADEMIC HONESTY: The Department of Statistics & Computer Information Systems fully supports Baruch College's policy on Academic Honesty, which states, in part: "Academic dishonesty is unacceptable and will not be tolerated. Cheating, forgery, plagiarism and collusion in dishonest acts undermine the college's educational mission and the students' personal and intellectual growth. Baruch students are expected to bear individual responsibility for their work and to uphold the ideal of academic integrity. Any student who attempts to compromise or devalue the academic process will be sanctioned." Additional information can be found at http://www.baruch.cuny.edu/academic/academic_honesty.html