Course Outline – Fall 2017
COR1-GB.1305 – Statistics and Data Analysis

Meeting Time & Place

Lectures: Monday: 6:00 PM – 9:00 PM
Final Exam: December 18
Class Room: KMC 2-65

Course Staff

Instructor:	Prof. Patrick Perry
E-mail:	pperry@stern.nyu.edu
Office:	KMC 8-63
Office Hours:	Wednesday 4:30PM – 6:00PM
Teaching Fellow:	Gennady Zilberman
E-mail:	gz260@stern.nyu.edu
Office:	TBA
Office Hours:	TBA

Course Website

Handouts, assignments, and data sets will be posted to

`http://ptrckprry.com/course/langone/`

Grades will be posted to the NYU Classes website for the course.

Course Objectives

After taking this course, you will have a strong fundamental understanding of statistics and its applications. You will learn how to use measurements and data to make statements about the world. You will learn how to understand and interpret similar statements made be others.

Course Organization

You will be responsible for the material contained in course lectures, handouts, and homework assignments. The lectures will follow the handouts passed out in class and posted to the course webpage. These notes are not comprehensive, and the lectures will often contain more information than what is on the handouts. Consult the textbook for more detail coverage of the course material.

Texts and Materials

1. Stine and Foster, *Statistics for Business*, Third Edition, Pearson. (Optional)
2. Minitab 17 or Minitab student version. *Minitab will only run on a Windows PC. If you do not have a Windows PC, then you can run Minitab in the student computer labs or online via* `http://apps.stern.nyu.edu`.

Class Attendance And Participation

Participation is an essential part of learning in this course. Students are expected to participate in all facets of classroom learning. This is not a formal part of you grade, but if you demonstrate that you are actively and consistently participating and involving yourself in the learning process, I may boost your final grade by up to one point, for example, from a B+ to an A-.

Classroom Norms

Cell phones, smartphones and similar electronic devices are a disturbance to both students and professors. All such electronic devices must be turned off prior to the start of each class meeting. To minimize distractions to others, if you use your laptop during class, please sit in the last row.

Regrading

If you find what you believe to be a grading error on an assignment or exam, you must bring the matter to the attention of the course staff no later than 7 days after the assignment was handed back. *Requests for grading adjustments after this will not be considered.* This includes cases when the written grade does not match the recorded grade on the course website. Discuss homework grading issues with the teaching fellow, and discuss midterm grading issues with the instructor. You must discuss all grading issues in person.

If you erase anything, change any answers, or add any notes after your assignment or exam has been graded, you may not submit the assignment or exam for regrading. If you modify an assignment or exam in any way after it gets returned, and then you submit that assignment or exam for regrading, this will be considered to be a violation of the academic integrity policy.

Grading Policy

We will have homework assignments, a midterm exam, and a final exam. In determining your grade for the course, the weighting for these assessments will be determined as follows:

Homework	25%
Midterm	30%
Final	45%

The top 35% of students earn grades of A or A−. This is a hard limit, set by the school.

Exams

There is one midterm and one final exam. Both exams are open book and open note.

Homework

Weekly homework assignments count for 25% of your grade. We will return these assignments to you the week after you turn them in. I suggest that you keep a copy of their homework to study from (in case it is not returned before an exam).

Calendar

Date	Topics	Textbook Chapters	HW Due
9/25	Sampling; Descriptive Statistics	1–4, 13	S
10/2	Probability; Conditional Probability	7–8	1
10/9	*No class*		
10/16	Random Variables; Models for Counts	9, 11	2
10/23	The Normal Model; The Central Limit Theorem	12, 14.1	3
10/30	Confidence Intervals	15	4
11/6	Midterm		5
11/13	Statistical Tests	16	
11/20	Comparison	17	6
11/27	Association; Linear Regression	6, 19	7
12/4	Regression Assumptions; Diagnostics	21, 22	8
12/11	Multiple Regression	23, 24	9
12/18	Final Exam		10

S: fill out online survey.