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Syllabus – Summer 2018
STAT-UB1-001 – Statistics for Business Control

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Meeting Time & Place

Lectures: Tuesdays and Thursdays, 9:00 AM – 12:10 PM
Midterm Exam (Tentative): Thursday, July 19, 9:00 AM – 12:10 PM
Final Exam: Thursday, August 9, 9:00 AM – 12:10 AM
Class Room: Tisch UC19

Course Staff

Instructor:	Ningshan Zhang
E-mail:	nzhang@stern.nyu.edu
Office:	KMC (Kaufman Management Center) 8-174
Office Hours:	Wednesday and Friday, 10:00 AM – 11:30 AM

Course Objectives

The basic objective of this course is to provide the business student with a strong fundamental understanding of statistics and its applications. Students will learn statistical applications utilizing real world examples and exercises from various fields. Topics include the control of statistical bias, data presentation, appreciation of probability and randomness, random variables, and statistical inference. More specifically, chapter 1-8 on textbook.

Course Organization

You will be responsible for the material contained in course lectures, handouts, and homework assignments. Class consists of lecture and handouts which will be distributed at the beginning of each class. Class material will also be posted on NYU Classes.

We will use Minitab, Release 15/16, for data analysis. A student version of this software is included with the textbook by the NYU bookstore. The differences between Minitab 15/16 and the student version are minor. Minitab 16 is available in the computer labs and online at `http://apps.stern.nyu.edu`. More instructions for using Minitab 16 can be found on NYU Class/Resources/Minitab.

Texts and Materials

1. McClave, Benson, and Sincich, Statistics for Business and Economics, Third Custom Edition for New York University, Pearson.

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2. Minitab 15/16 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`.

Grading Policy

We will have homework, one midterm, and one final exam. Your grade will be based on these, as well as class participation.

Participation	20%
Homework	20%
Midterm	25%
Final	35%

Exams

There are one midterm and one final exam. If you have a potential conflict during one of the exams, you must discuss the matter with the instructor during the first week of class. You should check the final exam schedule before you buy any plane tickets or make any other travel plans.

   If you miss an exam, you will not be given the opportunity to make up the test except in cases of a documented medical illness. You must have a signed note from a doctor. In extreme cases when you miss an exam due to documented medical illness, at the instructor's discretion you may have the opportunity to take a make-up exam. This exam will not necessarily have the same format as the original exam (it could be an oral exam, for example).

Homework

We will have one homework per week. It will be posted on Thursday, and it will be due at the beginning of next Tuesday's class. Homework counts for 20% of your grade. Students are expected to come to class prepared having read text and assigned readings prior to class. It is suggested that students keep a copy of their homework to study from (in case it is not returned before an exam).

Late Policy

Assignments are due at the beginning of class on the day specified, and late assignments are strongly discouraged. That said, there are unforeseen emergencies (illness, etc.) that cannot always be planned for in advance. Instead of having to ask for special allowances on an individual basis, I give each of you the privilege of dropping **one** assignment in case of crisis.

   Although this policy is not intended to cover poor planning or procrastination, I won't ask for justification and will assume you will use your privilege fairly and wisely.

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 2 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, during office hours.

   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.

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. I expect you to take an active role in learning Statistics. I may call on you, and I want you to ask questions. There's no such thing as a "bad" question or comment, so don't be afraid to speak up (in an orderly fashion). This helps me to identify points that I need to explain further. Participation counts for 20% of your grade.

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. Laptops are not permitted in class.

Ethical Guidelines: Student Code of Conduct

All students are expected to follow the Stern Code of Conduct `http://www.stern.nyu.edu/uc/codeofconduct`. A students responsibilities include, but are not limited to, the following:

- A duty to acknowledge the work and efforts of others when submitting work as ones own. Ideas, data, direct quotations, paraphrasing, creative expression, or any other incorporation of the work of others must be clearly referenced.

- A duty to exercise the utmost integrity when preparing for and completing examinations, including an obligation to report any observed violations.

To minimize the temptation for copying or sharing during an exam, there will be multiple versions of every exam, and the seating order will be randomly assigned.

Students with Disabilities

Students whose class performance may be affected due to a disability should notify the professor immediately so that arrangements can be made in consultation with the Henry and Lucy Moses Center for Students with Disabilities (`http://www.nyu.edu/csd/`) to accommodate their needs.

Tentative Schedule

Date	Topics	Textbook Chapters
7/3	Populations and Samples, Descriptive Statistics	1,2
7/5	Probability, Conditional Probability 1	3.1 - 3.5
7/10	Conditional Probability 2	3.5 - 3.7
7/12	Random Variables, Models for Counts 1	4.1 - 4.3
7/17	Models for Counts 2, Review for Midterm	4.4
7/19	**Midterm**	
7/24	The Normal Model	4.5 - 4.7
7/26	The Central Limit Theorem, Confidence Intervals	5, 6
7/31	Statistical Tests	7
8/2	Comparison	8
8/7	Review	
8/9	**Final Exam**	