



## Decision Models & Analytics

### **Modular Langone Winter 2026 Syllabus**

#### **INSTRUCTOR**

Professor Ilan Lobel  
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#### **COURSE CONTENTS**

One of the most crucial skills for a modern manager is knowing how to use data to make decisions. In Decision Models & Analytics, you will learn how to use modern analytics tools to solve complex business problems. For whatever career you are pursuing, knowing how to model and solve complex problems will make you a more effective decision-maker and give you a competitive edge. This is a hands-on lab-style class and is Excel-based.

The aim of the course is to be useful to a wide array of industries and functional areas, including tech, consulting, finance, government, human resources, operations or marketing. In this spirit, the course will cover a wide range of application areas, including finance problems (portfolio optimization, real estate investing), operations problems (supply chain management, workforce management, inventory management), and marketing problems (demand estimation, pricing, and online advertising).

#### **CLASS PARTICIPATION**

The professor will judge class participation on the extent to which you appear prepared, the relevance and depth of your comments, the degree to which you listen carefully and respond to your peers, and your willingness to take chances in order to further the educational experiences of others. You will lose participation points if you miss classes and/or arrive late and/or leave early.

#### **GRADING**

At NYU Stern we seek to teach challenging courses that allow students to demonstrate differential mastery of the subject matter. Assigning grades that reward excellence and reflect differences in performance is important to ensuring the integrity of our curriculum. Grading will be based on pre-work homework (30%), in-class participation (40%), and post-work homework (30%).

## **WEBSITE/COURSE MATERIALS**

Brightspace will be used as the main communication tool, and materials will be posted in the system. This includes the homework assignments, the problems studied and the problem solutions. To log in, you will need your Stern email account and the associated password.

## **ELECTRONIC DEVICES**

Cell phones devices are a disturbance to both students and professors. All electronic devices (except laptops) should be turned off prior to the start of each lecture.

You are expected to bring a laptop to each class, unless otherwise instructed. The laptop should be able to run Microsoft Excel, including the Solver package. The laptop will not be used throughout the entire class, and we ask you to close your laptop until you are asked to use it.

## **ACADEMIC INTEGRITY**

Integrity is critical to the learning process and to all that we do here at NYU Stern. All students are expected to abide by the NYU Stern Student Code of Conduct. A student's responsibilities include, but are not limited to:

- A duty to acknowledge the work and efforts of others when submitting work as one's 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.

Please see [www.stern.nyu.edu/uc/codeofconduct](http://www.stern.nyu.edu/uc/codeofconduct) for more information.

## **SCHOOLWIDE RULES AND GUIDANCE**

### **Student Accessibility**

If you will require academic accommodation of any kind during this course, you must notify me at the beginning of the course (or as soon as your need arises) and provide a letter from the Moses Center for Student Accessibility (212-998-4980, [mosescsa@nyu.edu](mailto:mosescsa@nyu.edu)) verifying your registration and outlining the accommodations they recommend. For more information, visit the CSA website:

<https://www.nyu.edu/students/communities-and-groups/student-accessibility.html>

### **Student Wellness**

Classes can get stressful. I encourage you to reach out if you need help. The NYU Wellness Exchange offers mental health support. You can reach them 24/7 at [212 443 9999](tel:2124439999), or via the “NYU Wellness Exchange” app. There are also drop in hours and appointments. Find out more at:

<http://www.nyu.edu/students/health-and-wellness/counseling-services.html>

### **Name Pronunciation and Pronouns**

NYU Stern students now have the ability to include their pronouns and name pronunciation in Albert. I encourage you to share your name pronunciation and pronouns this way. Please utilize this link for additional information: [Pronouns & Name Pronunciation](#)

### **Religious Observances and Other Absences**

NYU’s [Calendar Policy on Religious Holidays](#) states that members of any religious group may, without penalty, absent themselves from classes when required in compliance with their religious obligations. You must notify me in advance of religious holidays or observances that might coincide with exams, assignments, or class times to schedule mutually acceptable alternatives. Students may also contact [religiousaccommodations@nyu.edu](mailto:religiousaccommodations@nyu.edu) for assistance.

NYU Stern is committed to ensuring an equitable educational experience for all students regardless of identity or circumstances and strives to recognize the obligations its students have outside of Stern. Please review all class dates at the start of the semester and review all course requirements to identify any foreseeable conflicts with exams, course assignments, projects, or other items required for participation and attendance. If you are aware of a potential conflict, please contact me as soon as possible to discuss any potential conflicts to determine whether/how they can be accommodated.

### **Inclusion Statement**

This course strives to support and cultivate diversity of thought, perspectives, and experiences. The intent is to present materials and activities that will challenge your current perspectives with a goal of understanding how others might see situations differently. By participating in this course, it is the expectation that everyone commits to making this an inclusive learning environment for all.