

B8154: Python for MBAs**MATTAN GRIFFEL**

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Office Hours: Available upon request

Course Description

From the ads that track us to the maps that guide us, the twenty-first century runs on code. The business world is no different. Programming has become one of the fastest-growing topics at business schools around the world. This course is an introduction to business uses of Python for MBA students.

In this course, we'll be learning how to write Python code that automates tedious tasks, parses and analyzes large data sets, interact with APIs, and scrapes websites. This might be one of the most useful classes you ever take.

Required Prerequisites

Enrollment in this course requires completion of a Python qualification exam (B0001).

Required Course Material

- Students must have a laptop that they can bring to class – Mac or PC is fine, as long as your operating system is up to date (at least Windows 10 and Mac OS 11).
- This course does not require a textbook. (Optional Reading: *Python for MBAs*, Griffel and Guetta)
- Any required readings will be provided via Canvas.
- Slides and files will be uploaded to Canvas after each class.

Course Roadmap/Schedule

Session	Topic	Assignments
Class 1	Data Analysis, part 1 <ul style="list-style-type: none">• Dig Case	Assignment 1 Due night before Class 2
Class 2	Data Analysis, part 2 <ul style="list-style-type: none">• Dig Case	Assignment 2 Due night before Class 3
Class 3	Data Analysis, part 3 <ul style="list-style-type: none">• Dig Case	Assignment 3 Due night before Class 4
Class 4	APIs <ul style="list-style-type: none">• Twilio Case	Assignment 4 Due night before Class 5

Class 5	Web Scraping <ul style="list-style-type: none">BuiltWith Case	
Class 6	Automation with Python <ul style="list-style-type: none">Bail Fund Case	Final Project Due midnight

Grading

Final grades in the class will be calculated as follows:

Participation (30%)

- Students are expected to actively participate in class by posting solutions to challenges on a Slack group (an online messaging tool) for the course.

Assignments (40%)

- There will be four homework assignments due the *night before* each class.
- Each assignment should be completed individually.
- Late assignments will be accepted with a 20% penalty until the final class. No late assignments will be accepted after the final class.

Final Project (30%)

- There will be a take-home final project.
- The final project must be completed individually.