# TIME TO TEACH: THE SPRING 2023 EDITION

Back to teaching...

### A Ritual

- Each year, ahead of teaching my classes at NYU's Stern School of Business in the spring, I invite readers to accompany me on my journey, and this year is no different.
- Starting in late January, I will be back in the classroom, teaching valuation and corporate finance to the MBAs and valuation to the undergraduates, and these classes will continue through May 2023.
- If you are curious about the content of these classes, and may want to partake, I will use this post to lay out my teaching philosophy, to describe the classes that I teach and provide options that you may be able to use to take them.

### Why I teach...

- I have heard the old saying that "those who can do, and those who cannot teach". I would like to believe that I am capable of both doing (valuation, corporate finance) and teaching.
- I will leave that judgment for you to make, since my valuations are in the public domain (on my blog and in my lecture note), and I have been open about how I have acted on them.
- If your query is why I would continue to teach rather than seek out more lucrative careers in investing or banking, my answer is a simple one. I love teaching and if you follow my classes, I hope it shows

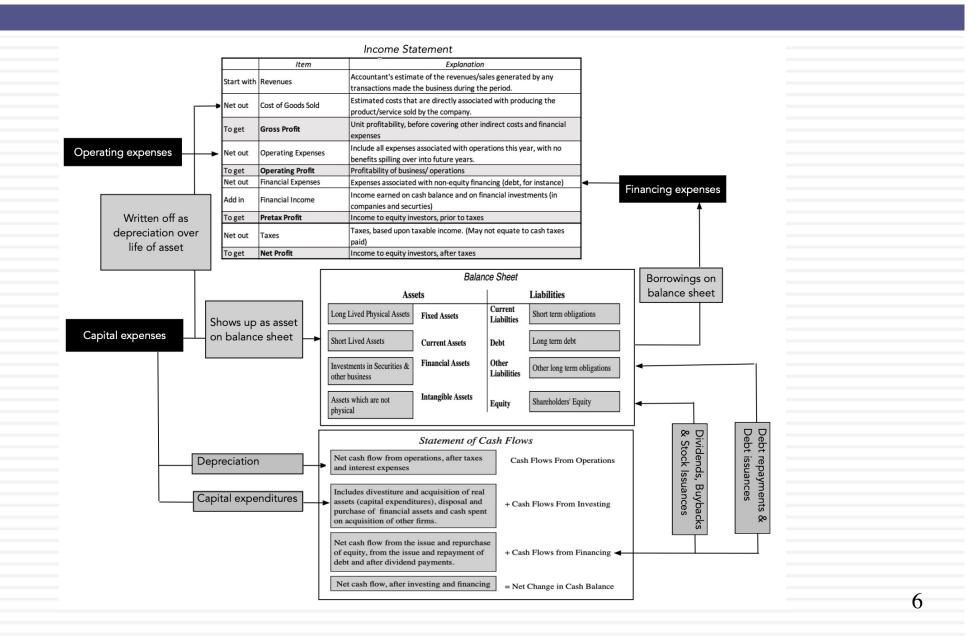
### My Teaching Philosophy

- 1. <u>Preparation is key</u>: Paraphrasing Edison, teaching is 90% perspiration and 10% inspiration. If you are prepared for your class, you are well on your way to being a good teacher.
- Respect your students: I did not care for those teachers that I had, when I was a student, that looked down on their students, either as being less learned than they were or less motivated.
- Be fair: I don't believe that students dislike or punish tough teachers, but I do believe that they dislike and punish teachers who are unfair.
- 4. <u>Have empathy</u>: I try to keep my memory fresh by remembering the things I liked and disliked when I was a student, and trying not to repeat them.
- 5. Teaching is not just in the classroom: Your impact on students is affected just as much but what you do outside the classroom, in your office hours and in your interactions (online and in person) with your students.
- 6. <u>Have fun</u>: If you look at the joy that young children show when they learn something new, it is obvious that human beings enjoy learning. I want my classes to be meaningful, impactful and profound, but I also want them to be fun.

### What I teach: Pre-game Prep!

- If there is a lesson that we should have learned from the last few years of market mayhem, it is that far too many investors, professional as well as retail, seem to have lost their mooring (or never had them in the first place), when it comes to the basics of accounting, finance and statistics.
- I have also learned that having taken classes in these subjects does not always fill the gap, and in the last few years, I have created my own versions, reflecting the tools and skills that I draw upon in my valuation and corporate finance classes.

## 1a. Accounting



### 1b. Foundations of Finance

#### Foundations of Finance: The Warm-up Sessions

#### Micro Foundations

Sessions 1-2

#### **Financial Balance Sheet**

- Assets in Place & Growth Assets
- Financing Choices

#### **Corporate Life Cycle**

- The Aging of companies
- Consequences

#### Sessions 3-6

- Equity vs Firm Cash Flows
- The Timing of Cash Flows

#### Risk

- Risk & Risk aversion
- Measures of risk

Cash Flows

- Diversification & Effects

#### Time Value of Money

- Intuition behind present value
- Mechanics of present value

#### Sessions 7-9

#### Valuing Contractual CF (bonds)

- Cash flows on bonds
- Default risk and Value

#### Valuing Residual CF (equity)

- Cash flows to equity
- The Dividend Discount Model

#### **Valuing Contingent CF (options)**

- What is an option?
- Option Pricing Basics

#### Session 10

#### Inflation

- Measures of Inflation
- Determinants
- Real versus nominal

#### Macro Foundations

Session 11

#### Interest Rates

- History of interest rates
- Determinants
- The Role of Central Banks

#### Session 12

#### **Exchange Rates**

- Determinants
- Forecasting exchange rates
- Currency Consistency

### c. Statistics.

#### Statistics: Introduction

#### Sessions 2 & 2A

#### **Data Collection**

- 1. Data Collection & Storage
- 2. Population versus Sample
- 3. Sampling Sins

#### Sessions 4 & 4A

#### **Data Distributions**

- 1. Histograms
- 2. Distributional characteristics
- 3. Standardized Distributions

#### Session 6

#### **Probabilities**

- 1. Discrete vs Continuous Variables
- 2. Estimating probabilities

#### Sessions 3 & 3A

#### **Data Descriptives**

- 1. Measures of Location
- 2. Measures of Dispersion
- 3. Measures of Skewness

#### Sessions 5, 5A & 5B

#### **Data Relationships**

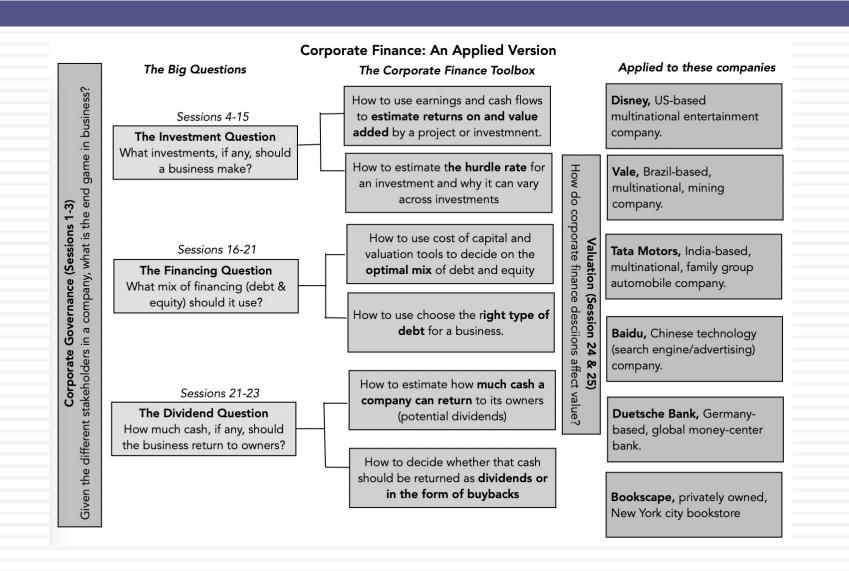
- 1. Comovement
- 2. Causation
- 3. Prediction

#### Session 6A & 6B

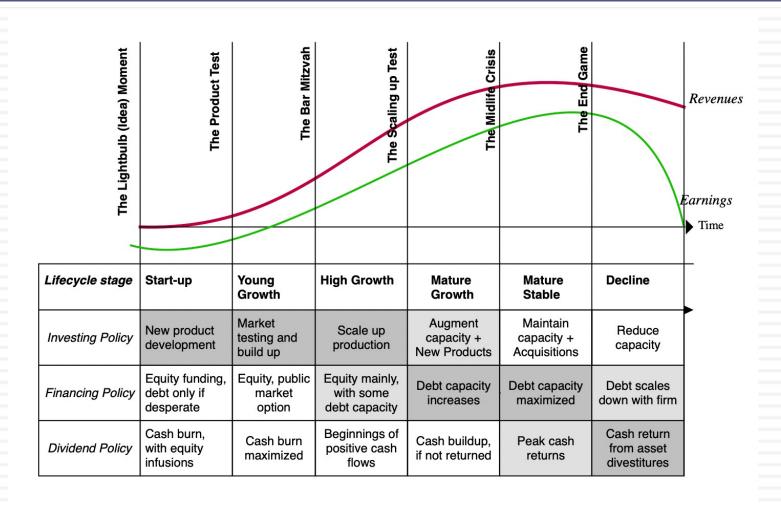
#### **Probabilistic Tools**

- 1. Probit/Logit
- 2. Decision Trees
- 3. Simulations

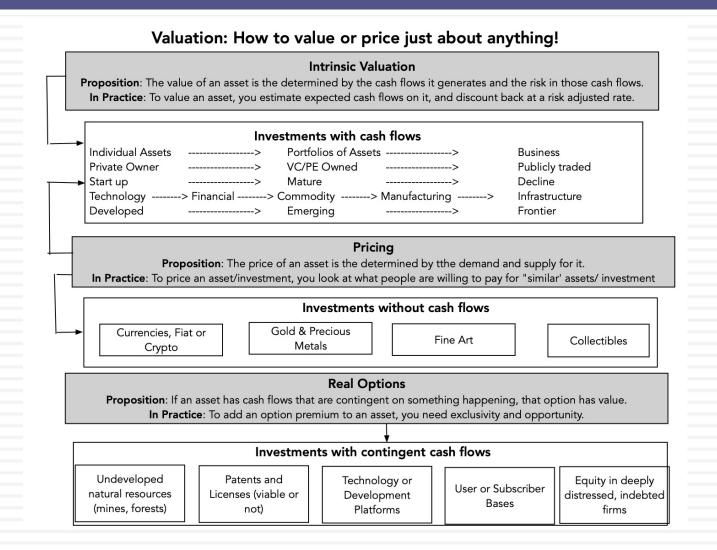
### 2. Corporate Finance



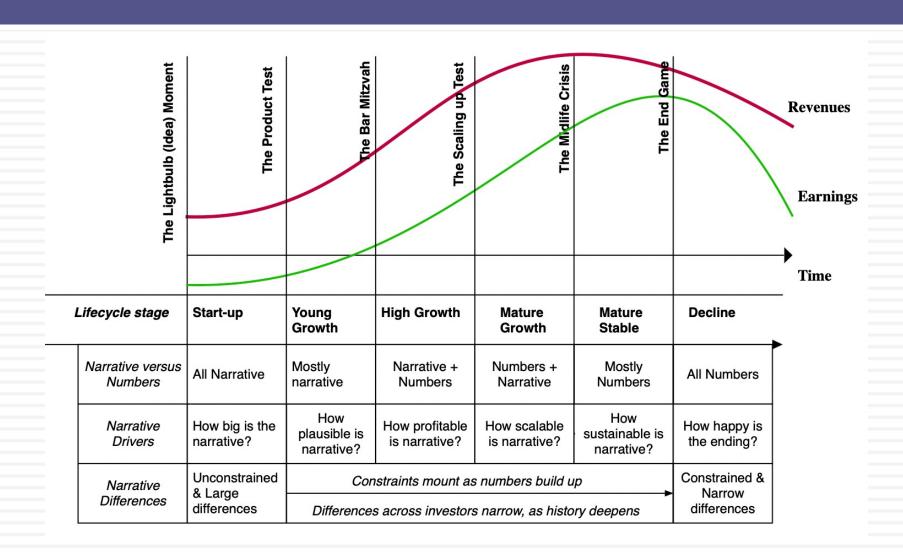
# And across the life cycle..



### 3. Valuation



# Across the life cycle



### 4. Investment Philosophies

#### **Market Timers**

Use any of the tools below (valuation, charting, information) to determine if an entire market (or asset class) is misvalued or mispriced.

#### **Growth Investors**

Buy companies where growth is being priced cheaply, relative to the intrinsic value of that growth.

#### **Efficient Marketers**

There is no gap (purist) or if there is one, it is random.

#### **Chartists & Technicians**

Price & volume patterns are best indicators of future price movements.



#### Value Investors

Buy companies where existing assets are being priced cheaply, relative to their intrinsic value.

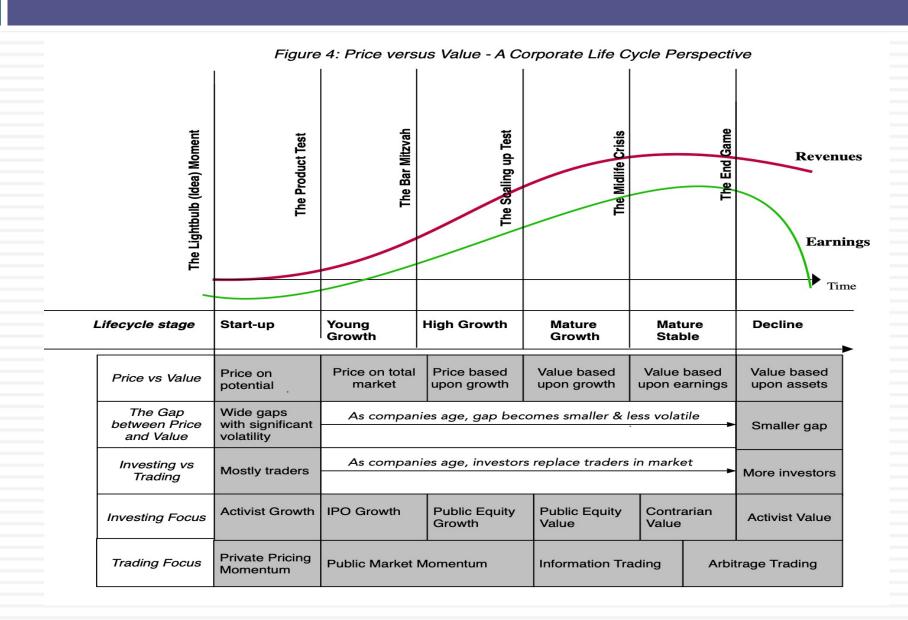
#### **Information Traders**

Make money on changes in price in response to news/information.

#### **Arbitrageurs**

Look for identical or similar assets that are priced differently in different markets at the same time.

### And across the life cycle



## Format 1: Regular Classes

My corporate finance and valuation classes are taught, as semester-long classes, meeting twice a week for 80-minute sessions. You can take the class in real time, when the classes start late January 2023 and continue through May 2023, or watch the archived versions from spring 2022.

Class	Webpage for class	Spring 2023 (Real time)	Spring 2022 (Archived)
Corporate Finance	<u>Link</u>	<u>Link</u>	<u>Link</u>
Valuation (MBA)	<u>Link</u>	<u>Link</u>	<u>Link</u>
Valuation (Undergrad)	<u>Link</u>	<u>Link</u>	<u>Link</u>

### Format 2: Online Classes

 If you find yourself unable to invest the time needed to take my regular classes or find the long sessions unwatchable (who can blame you), I have online versions of these classes that compress the 80-minute sessions into 12-15 minutes.

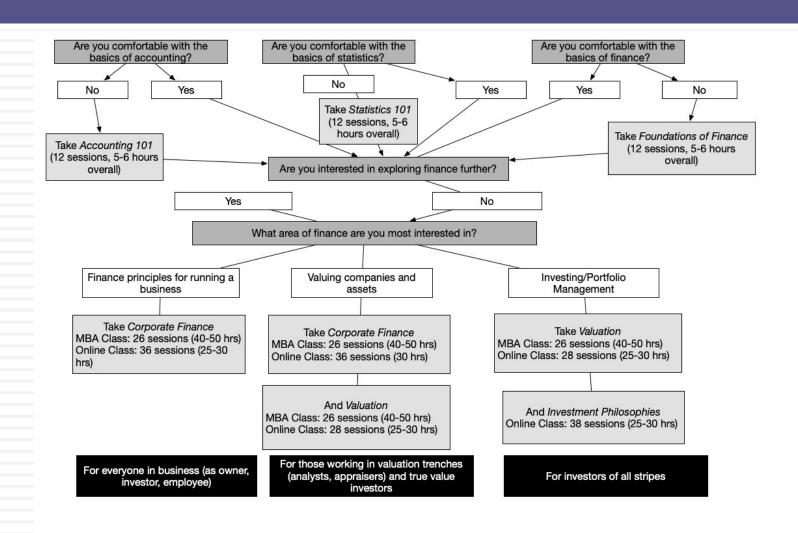
Online Class	Webpage for class	YouTube Playlist
Accounting	<u>Link</u>	<u>Link</u>
Foundations of Finance	<u>Link</u>	<u>Link</u>
Statistics	<u>Link</u>	<u>Link</u>
Corporate Finance	<u>Link</u>	<u>Link</u>
Valuation	<u>Link</u>	<u>Link</u>
Investment Philosophy	<u>Link</u>	<u>Link</u>

### Format 3: Certificate Classes

If certification is what you seek, New York University offers my three main courses as certificate classes.
The content is similar to that in my online classes, but the videos are more polished, the classes follow a calendar and I do have an online meetup on zoom every two weeks.

Certificate Class	NYU Exec Ed Link	Semesters taught
Corporate Finance	<u>Link</u>	Fall Semester
Valuation	<u>Link</u>	Fall & Spring Semesters
Investment Philosophy	Link	Spring Semester

# Sequencing the classes



# Supporting Cast: The Main Players

- Lecture Notes: The only material that I require for the students in my class are the lecture note slides that I use in the class, and the only reason I require it is to reduce the amount of note-taking during class.
- 2. <u>Post-class test</u>: Every session of each class comes with a post-class test. These tests take about 15 minutes to do, and are a review of the material covered during the class. If you have the time, it is worth taking these tests to reaffirm learning.
- <u>Data</u>: The data that I reference during the class are available in their most updated formats on my webpage, <u>under current data</u>, with the next update due at the start of 2023.
- 4. <u>Spreadsheets</u>: I. To save you the trouble of building spreadsheets from scratch, I leave my spreadsheets online for you to access, adapt and change.
- 5. <u>Tools videos</u>: As I noted earlier, my classes are applied, and to provide guidance on applying what I teach to real life, I have <u>YouTube videos</u> on almost every application, from how to read an annual report all the way to a full company valuation.
- 6. <u>Blog Posts</u>: If you find the material in my classes of interest, you can read my blog on <u>Google Blogger</u> and <u>Substack</u>. I don't post often, but when I do, my posts tend to focus on valuation, corporate finance and investment philosophy topics.

# Optional Cast: Books

Book	Publisher link	Webpage for book		
	Valuation			
Damodaran on Valuation	<u>Link</u>	<u>Link</u>		
Investment Valuation	<u>Link</u>	<u>Link</u>		
The Dark Side of Valuation	<u>Link</u>	<u>Link</u>		
The Little Book of Valuation	<u>Link</u>	<u>Link</u>		
Narrative and Numbers	<u>Link</u>	<u>Link</u>		
Corporate Finance				
Corporate Finance	<u>Link</u>	<u>Link</u>		
Applied Corporate Finance	<u>Link</u>	<u>Link</u>		
Strategic Risk Taking	<u>Link</u>	<u>Link</u>		
Investment Philosophies				
Investment Philosophies	<u>Link</u>	<u>Link</u>		
Investment Fables	<u>Link</u>	<u>Link</u>		
All Classes				
The Corporate Life Cycle	Forthcoming in 2023	Forthcoming in 2023		

### And if you need people support...

- There is a social component to learning that includes class discussions and group interactions that is often absent in big online classes, leaving you not only with unanswered questions, but also missing the critical part of learning that comes from explaining concepts to and bouncing ideas off others in the class.
- Sebastian Marambio, who has set up a neat site called <u>We are six</u>, allowing people to set up groups to work with, for online classes, with apps available for <u>Android</u> and <u>iOS</u>. It is free and the class codes that you will need to find and join a group are below:

Class	Course Code (for We are Six groups)
Corporate Finance (Online)	ADCorp
Valuation (Online)	ADValu
Investment Philosophies (Online)	ADPhil