

ESP HSSP 2023
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Lawrence Liu

Spring 2023

SO YOU WANT TO BE A FINANCIER

This course covers the basics of the field of finance with an emphasis on careers in finance. Each class will include lectures on relevant finance topics, applicable examples, and a career discussion at the end. Broad themes covered in this class include company valuation, corporate/venture finance, and financial instruments. The course is designed to move quickly because there is so much content to cover in 6 weeks, so please reach out to any of the teachers if you have questions.

CONTACT INFORMATION

Lead teacher: Lawrence Liu, LwL@mit.edu
Co-teacher: Michael Serrano, mysl@mit.edu

GOAL OF THE CLASS

This class will cover a lot of material very quickly. As teachers, we understand that you won't remember every technical detail taught. Our main goal for this course is to give you a broad foundation for concepts commonly encountered in finance. If you can summarize the concepts taught in this class to a friend, then we would have met our goal.

CLASS SCHEDULE OVERVIEW

(Subject to change based on how much we can cover in 1.5 hours)

Class 1: February 25, 2023

- Finance Principles
- Net Present Value analysis, Annuities, Perpetuities, Amortized Loans

Class 2: March 4, 2023

- SWOT Analysis. Porter's Five Forces
- Discounted Cash Flow Model

Class 3: March 11, 2023

- Bonds, Stocks, and Debt
- Weighted Average Cost of Capital

Class 4: March 25, 2023

- Startups and Venture Financing

Class 5: April 1, 2023

- Portfolio Theory and the Capital Asset Pricing Model

Class 6: April 8, 2023

- Futures, Options, and Hedging