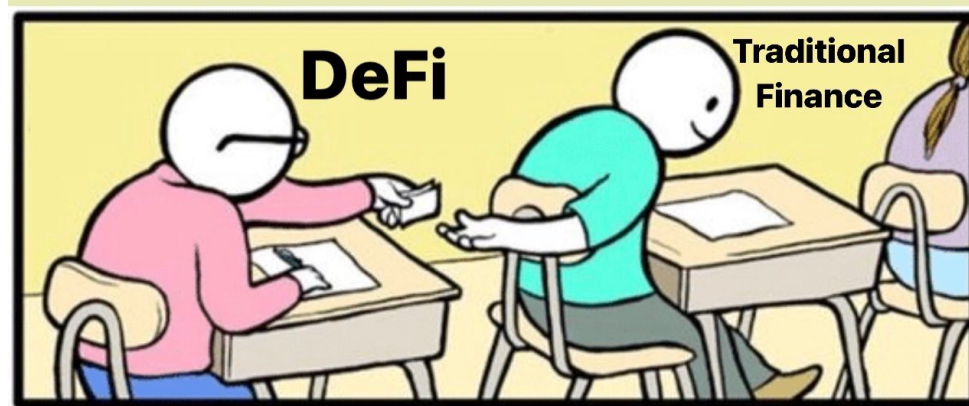


Decentralized Finance

Course Overview

Instructors: Dan Boneh, Arthur Gervais, Andrew Miller, Christine Parlour, **Dawn Song**





Course Syllabus

Date	Topic
08/26	Introduction and Overview of DeFi
09/02	Introduction to Blockchain Technology
09/09	Introduction to Smart Contracts
09/16	Introduction to Traditional Finance
09/23	Stablecoins
09/30	DEX
10/07	Decentralized Lending
10/14	Synthetic And Derivatives; Portfolio Management; Insurance; Information and Data Markets
10/21	Oracles
10/28	Privacy in DeFi; Auditable Privacy; ZKP
11/04	Decentralized Identities
11/11	No Class (Veterans Day)
11/18	DeFi Security I
11/25	No Class (Thanksgiving)
12/02	DeFi Security II
12/09	Regulations and Legal Frameworks

Course Work

- Weekly quiz
- 2 hands-on Labs
- (Optional) course project
 - Required for Berkeley students
 - Optional for MOOC students

NFT for Course Completion

- Everyone who finishes the course will get an NFT for course completion
 - More info to follow
- [Lecture today:youtu.be/UariFBhF-_o](https://youtu.be/UariFBhF-_o)

Grading for Berkeley Students

Class participation	10%
Quiz	10%
Lab 1	5%
Lab 2	15%
Project proposal	5%
Project milestone	15%
Project presentation and final report	40%

To share project ideas/suggestions, please fill in [the form](#)

Class Project

- 3-4 students per group
- Any topics in DeFi
 - E.g., experimenting with different AMM designs; developing new decentralized identity approaches; measuring MEV; etc
 - E.g., hands-on implementations of a new system or an extension of an existing system, or an in-depth survey in an area with experimental evaluations
 - E.g., explore new research topics and write a research paper; build something useful for the community; analyze and discover phenomena in DeFi

Timeline

Group formation	9/13
Lab 1 out	10/01
Project proposal	10/04
Lab 1 due	10/11
Project milestone	11/01
Lab 2 out	11/02
Lab 2 due	11/22
Project presentation	12/02
Project final report	12/13