



FINA 5522Z: Financial Technology

SUMMER 2025

Instructor	Harika Tuzcuoglu
Email Address	harikatuzcuoglu@cmail.carleton.ca
Class Times	Monday 11:35am – 2:25pm
Modality	In-Person
Office Hours	By-Appointment

Pre-Requisites & Preclusions:

Prerequisites: FINA 5502 OR FINA 5505

Course Description/Instructor's Statement

Carleton Calendar Description (Find at <https://calendar.carleton.ca/grad/courses/FINA/>)
Explores emerging technologies in financial markets; and more broadly examine the role of technological advancement and disruption in markets. Topics include artificial intelligence and machine learning applications in finance, blockchain and cryptocurrencies, decentralized finance (DeFi), open banking APIs, digital payments, challenger banks, alternative finance, robo-advisors and wealth management, peer-to-peer lending, crowdfunding, and Insurtech.

Course Learning Objectives:

1. Analyze how technology shapes, interacts with & drives the modern financial market
2. Critically evaluate the evolving roles of humans, algorithms, & artificial intelligence within financial systems
3. Develop & propose original entrepreneurial ideas that address customer pain points & unmet needs in the financial sector
4. Communicate complex financial & technological concepts clearly in both written assignments & presentations

Required/Optional Materials & Prices

Students are not required to purchase textbooks or other learning materials for this course.

Grading Scheme

Reflections (x3)	15%
Test	25%
Final Paper	40%
Team Presentation	20%
TOTAL	100%

Important Dates to Note

Reflection 1	May 6 th , 2025
Reflection 2	May 13 th , 2025
Reflection 3	May 27 th , 2025
Reflection 4	June 3 rd , 2025
Group & Topic Sign-up	June 3 rd , 2025
Reflection 5	June 10 th , 2025
Presentation Slice Deck	June 11 th , 2025
Final Paper	June 24 th , 2025

University Academic Calendar: <https://calendar.carleton.ca/academicyear/>

Policies & Accommodations

<https://students.carleton.ca/course-outline/>

<https://carleton.ca/pmc/current-students/academic-accommodations/>



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