FB5560: FINTECH AND CRYPTOCURRENCY

New Syllabus Proposal

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

FinTech and Cryptocurrency

Subject Code

FB - College of Business (FB)

Course Number

5560

Academic Unit

College of Business (CB)

College/School

College of Business (CB)

Course Duration

One Semester

Credit Units

2

Level

P5, P6 - Postgraduate Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course introduces the foundations and applications of financial technology. We will explore payment systems and financial regulations to understand fintech's role in the future of investing. Topics include the basics of blockchain technology, Bitcoin mechanics, and the evolving crypto ecosystem. The course also covers robo-advising, crowdfunding, and marketplace lending, with practical approaches to applying these concepts to optimize investments. Designed for beginners, it combines theory and practice to provide foundational knowledge and hands-on skills in emerging financial technologies.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Understand payment systems and financial regulations	25%	x	x	
2	Explain blockchain and cryptocurrency basics	50%	x	x	
3	Understand robo-advising, crowdfunding, and marketplace lending	25%	x	x	

A1: Attitude
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments
Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Students will engage in formal lectures that introduce foundations and applications of financial technology.	1, 2, 3	3-hour lecture per week
2	Peer discussion	Students will engage in structured discussion with peers to identify areas to improve on in their returned assessment tasks.	1, 2, 3	In-class and out-of-class preparation and participation

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Coursework (such as, case assignments, problem sets, etc.)	1, 2, 3	100	For case assignments, problem sets, students can use Generative Artificial Intelligence Tools to help them understand the concepts/ questions/ problems or analyze data. But the final version must be their own work, e.g., students cannot copy and paste the AI answers as their own answers. Students are not allowed to use Generative Artificial Intelligence Tools in mid-term examination(s)/ quiz(zes).	Yes

Continuous Assessment (%)

100

Assessment Rubrics (AR)

Assessment Task

Coursework (such as, case assignments, problem sets, etc.)

Criterion

Demonstrate critical understanding of key economic concepts related to blockchain and cryptocurrency. Understand the fundamentals of how machine learning and AI are applied in quantitative investment strategies.

Excellent

(A+, A, A-) Outstanding

Good

(B+, B, B-) High

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not reaching marginal level

Part III Other Information

Keyword Syllabus

Payment Systems and Financial Regulations

Blockchain and Cryptocurrency Basics

Cryptocurrency Economics and Security

Robo-advising, Crowdfunding, and Marketplace Lending

Reading List

Compulsory Readings

	Title
1	Nil

Additional Readings

	Title
1	Nil