FB6710B: PRACTICAL FINTECH APPLICATIONS

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Practical FinTech Applications

Subject Code
FB - College of Business (FB)

Course Number
6710B

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
FinTech industry is a new fundamental revolution formed in the financial environments. It has significant impacts to the traditional revenue structure of financial institutions. The course gives students a unique opportunity to learn the latest

developments faced by FinTech market. The course will be taught from a view of FinTech trends and applications, e.g. on-line payments, AI technology innovations, and the operational solutions for KYC/AML/Compliance issues. Analysis methods using Python and AI technology will be demoed and used to show the applications. In addition, the course will get in touch with how to run a start-up company in FinTech industry and the VC funding support. The course will arrange two company visits and a series of speeches with the industry experts who will engage in interactive discussions of current issues in their area of expertise. On completion, students will have a rounded knowledge and appreciation of the key issues that the FinTech industry faces.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Identify the topical issues in various areas of the finance industry	33	x	x	
2	Critically discuss the solutions put forward by leading industry practitioners in light of existing academic frameworks	33	x	x	x
3	Demonstrate the results of their critical assessment in a coherent and rigorous manner in written or oral reports	34	x	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 discuss the main issues and real-world examples in the lectures to understand the current challenges faced by the FinTech industry. These discussions will provide insights into the academic literature and its relevance to the industry.	1, 2	
2	In-class discussion	Students will engage in the in-class group discussions. to get a better understanding of the essential materials by interpreting what they learn from the lecture.	1, 2, 3	

3	Coursework	Students will demonstrate their ability to understand, discover and innovate through the coursework. They explain the issues discussed in the course and critically evaluate the proposed or existing solutions for various topical problems.	1, 2, 3	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Assignments	1, 2, 3	30	-	No
2	In-class Discussion	1, 2, 3	30	-	Yes
3	Group Final Project	1, 2, 3	40	-	No

Continuous Assessment (%)

100

Assessment Rubrics (AR)

Assessment Task

Assignments (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Performance in applying the knowledge and concepts covered from the course

Excellent

(A+, A, A-) Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.

Good

(B+, B, B-) Evidence of grasp of subject, some evidence of critical capacity andanalytic ability; reasonable understanding of issues; evidence of familiarity with literature.

Fair

(C+, C, C-) Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material.

Marginal

(D) Sufficient familiarity with the subject matter to enable the student to progress without repeating the course.

Failure

(F) Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature.

Assessment Task

In-class Discussion (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Attendance and punctuality; Performance in class activities

Excellent

(A+, A, A-) Proactively participate in class discussion by offering innovative ideas and asking questions related to the subject of Applied Finance.

Good

(B+, B, B-) Proactively participate in class discussion by offering some innovative ideas and asking questions related to the subject of Applied Finance.

Fair

(C+, C, C-) Occasionally active when urged to participate in class discussion by offering some acceptable ideas and asking limited questions related to the subject of Applied Finance.

Marginal

(D) Reactively participate in class discussion by offering very limited ideas and asking very few questions related to the subject of Applied Finance.

Failure

(F) Hardly participate in class discussion and asking no questions related to the subject of Applied Finance.

Assessment Task

Final Group Project (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Demonstrate understanding of major concepts covered in class

Excellent

(A+, A, A-) Show superior grasp of major concepts covered in class and excellent command of discussing class materials in answering assigned questions.

Good

(B+, B, B-) Show good and reasonable coverage of most aspects of the concepts covered in class with good command of discussing class materials in answering assigned questions.

Fair

(C+, C, C-) Demonstrate acceptable command of a reasonable amount of materials covered in class and show acceptable command of discussing class materials in answering assigned questions.

Marginal

(D) Show marginal command of course materials and marginal command of discussing marketing research process and its key roles in organizations in answering assigned questions.

Failure

(F) Show marginal command of course materials and marginal command of discussing marketing research process and its key roles in organizations in answering assigned questions.

Assessment Task

Assignments (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Performance in applying the knowledge and concepts covered from the course

Excellent

(A+, A, A-) Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.

Good

(B+, B) Evidence of grasp of subject, some evidence of critical capacity andanalytic ability; reasonable understanding of issues; evidence of familiarity with literature.

Marginal

(B-, C+, C) Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material.

Failure

(F) Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature.

Assessment Task

In-class Discussion (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Attendance and punctuality; Performance in class activities

Excellent

(A+, A, A-) Proactively participate in class discussion by offering innovative ideas and asking questions related to the subject of Applied Finance.

Good

(B+, B) Proactively participate in class discussion by offering some innovative ideas and asking questions related to the subject of Applied Finance.

Marginal

(B-, C+, C) Occasionally active when urged to participate in class discussion by offering some acceptable ideas and asking limited questions related to the subject of Applied Finance.

Failure

(F) Hardly participate in class discussion and asking no questions related to the subject of Applied Finance.

Assessment Task

Final Group Project (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Demonstrate understanding of major concepts covered in class

Excellent

(A+, A, A-) Show superior grasp of major concepts covered in class and excellent command of discussing class materials in answering assigned questions.

Good

(B+, B) Show good and reasonable coverage of most aspects of the concepts covered in class with good command of discussing class materials in answering assigned questions.

Marginal

(B-, C+, C) Demonstrate acceptable command of a reasonable amount of materials covered in class and show acceptable command of discussing class materials in answering assigned questions.

Failure

(F) Show marginal command of course materials and marginal command of discussing marketing research process and its key roles in organizations in answering assigned questions.

Part III Other Information

Keyword Syllabus

FinTech, Investment and commercial banking, trading, wealth management, risk management

Reading List

Compulsory Readings

	Title
1	Lecture notes and handouts provided by the industry experts.

Additional Readings

	Title
1	Textbook chapters and published papers related to the topics of interest.