

City University of Hong Kong
Course Syllabus

offered by College of Business
with effect from Semester A 2022/23

Part I Course Overview

Course Title:	Practical FinTech Applications
Course Code:	FB6710B
Course Duration:	One Semester
Credit Units:	2 for FB6710B
Level:	P6
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: <i>(Course Code and Title)</i>	Nil
Precursors: <i>(Course Code and Title)</i>	Nil
Equivalent Courses: <i>(Course Code and Title)</i>	Nil
Exclusive Courses: <i>(Course Code and Title)</i>	Nil

Part II Course Details

1. 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.

2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs	Weighting (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	Understand topical issues in various areas of the finance industry	33%	✓	✓	
2.	Discuss and critically evaluate the solutions put forward by leading industry practitioners in light of existing academic frameworks	33%	✓	✓	✓
3.	Present the results of their critical assessment in a coherent and rigorous manner in written or oral reports	34%	✓	✓	✓
		100%			

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 self-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.

3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3				
1. Lectures	The main issues and real-world examples are discussed in the lectures to help students understand the current issues faced by the FinTech industry in light of the insights proposed in the academic literature.	✓	✓					
2. In-class discussion	In-class group discussions will be encouraged. Students will get a better understanding of the essential materials by interpreting what they learn from the lecture.	✓	✓	✓				
3. Coursework	The coursework test students' ability to understand, discover and innovate. Students will have to demonstrate to be able to master the issues discussed in the course and critically evaluate the solutions proposed or in place for several topical problems.	✓	✓	✓				

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.						Weighting	Remarks
	1	2	3					
Continuous Assessment: 100%								
1. Assignments	✓	✓	✓				30%	
2. In-class Discussion	✓	✓	✓				30%	
3. Group Final Project	✓	✓	✓				40%	
Examination: 0% (duration: hours, if applicable)							100%	

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
Assignments	Performance in applying the knowledge and concepts covered from the course	Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.	Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.	Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material.	Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature.
In-class Discussion	Attendance and punctuality; Performance in class activities	Proactively participate in class discussion by offering innovative ideas and asking questions related to the subject of Applied Finance.	Proactively participate in class discussion by offering some innovative ideas and asking questions related to the subject of Applied Finance.	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.	Hardly participate in class discussion and asking no questions related to the subject of Applied Finance.
Final Group Project	Demonstrate understanding of major concepts covered in class	Show superior grasp of major concepts covered in class and excellent command of discussing class materials in answering assigned questions.	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.	Demonstrate acceptable command of a reasonable amount of materials covered in class and show acceptable command of discussing class materials in answering assigned questions.	Show marginal command of course materials and marginal command of discussing marketing research process and its key roles in organizations in answering assigned questions.

Applicable to students admitted before Semester A 2022/23

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
Assignments		Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter; evidence of extensive knowledge base.	Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature.	Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material.	Sufficient familiarity with the subject matter to enable the student to progress without repeating the course.	Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature.
In-class Discussion		Proactively participate in class discussion by offering innovative ideas and asking questions related to the subject of Applied Finance.	Proactively participate in class discussion by offering some innovative ideas and asking questions related to the subject of Applied Finance.	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.	Reactively participate in class discussion by offering very limited ideas and asking very few questions related to the subject of Applied Finance.	Hardly participate in class discussion and asking no questions related to the subject of Applied Finance.
Final Group Project		Show superior grasp of major concepts covered in class and excellent command of discussing class materials in answering assigned questions.	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.	Demonstrate acceptable command of a reasonable amount of materials covered in class and show acceptable command of discussing class materials in answering assigned questions.	Show marginal command of course materials and marginal command of discussing marketing research process and its key roles in organizations in answering assigned questions.	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 (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

(An indication of the key topics of the course.)

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

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

1.	Lecture notes and handouts provided by the industry experts.
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2.2 Additional Readings

(Additional references for students to learn to expand their knowledge about the subject.)

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