



# Course Specification

## (Bachelor)

Course Title: Introduction to Fintech

Course Code: APFT1501

Program: Diploma in Fintech

Department: Finance banking and Insurance

College: The applied College

Institution: Umm Al-Qura University

Version: First

Last Revision Date: 27 March 2025

## Table of Contents

A. General information about the course: .....	3
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods .....	4
C. Course Content .....	4
D. Students Assessment Activities .....	5
E. Learning Resources and Facilities .....	5
F. Assessment of Course Quality .....	5
G. Specification Approval .....	6



## A. General information about the course:

### 1. Course Identification

#### 1. Credit hours: ( 3 )

3

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others

B. ☒ Required ☐ Elective

#### 3. Level/year at which this course is offered: ( 1/1)

#### 4. Course General Description:

This course focuses on introducing the basic concepts of financial technology (FinTech) in the finance and investment sectors. It explores modern tools and technologies such as artificial intelligence, big data, blockchain, and digital payment solutions. The course analyzes the impact of FinTech on financial markets, banking, and digital financial services. It aims to provide students with foundational knowledge of digital transformation in the financial sector, along with the opportunities, challenges, and future trends of FinTech.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):

To introduce students to modern FinTech concepts and equip them with the skills to understand technological innovations in finance and investment.

### 2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>		
4	Distance learning		



### 3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	0
3.	Field	0
4.	Tutorial	0
5.	Others (specify)	0
Total		45

### B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Identify modern financial technologies and their effects on financial markets	K1	Lectures	Exams, Participation, Group Project
1.2	Understand the impact of AI and big data in the financial sector	K2	Lectures	Exams, Participation, Group Project
1.3	Comprehend legal/regulatory frameworks in FinTech	K3	Lectures	Exams, Participation, Group Project
2.0	Skills			
2.1	Evaluate FinTech's impact on traditional investments	S1	Lectures, Assignments	Exams, Participation, Group Project
2.2	Assess the application of Fintech in financial sector	S2	Lectures, Assignments	Exams, Participation, Group Project
3.0	Values, autonomy, and responsibility			

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
3.1	Show ability to work with others	V1	Discussion, Assignments	Group Discussions, Group Project
3.2	Develop research and innovation skills in FinTech	V2	Discussion, Assignments	Group Discussions, Group Project

### C. Course Content

No	List of Topics	Contact Hours
1	Introduction to FinTech: Definition, importance, and impact on the financial sector	6
2	Overview of FinTech Technologies (Big data, artificial intelligence, machine learning, Internet of Things)	6
3	Start-Up financing and FinTech: Venture capital, automated investing and crowdfunding	6
4	Digital Payment Systems and E-Wallets	6
5	Digital banking and robo-advisors	3
6	Mid term exam	3
7	Blockchain & Cryptocurrencies: Concepts, use cases, challenges	3
8	Introduction to Cybersecurity in FinTech	3
9	Legal and Regulatory aspect	6
Total		45

### D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm exam	6	25%
2.	Group Project	12	15%
3.	Individual Homework	6	5%
4.	Participation	Ongoing	5%
5.	Final Exam	TBD	50%

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).



## E. Learning Resources and Facilities

### 1. References and Learning Resources

Essential References	Arner, D. W., Barberis, J., & Buckley, R. P. (2020). <i>The Evolution of FinTech</i> . Cambridge. Chishti, S., & Barberis, J. (2021). <i>The FINTECH Book</i> . Wiley.
Supportive References	Tapscott, D. & Tapscott, A. (2018). <i>Blockchain Revolution</i> . Penguin. Schueffel, P. (2017). <i>Taming the Beast: FinTech and the Future of Finance</i> . HBR.
Electronic Materials	Saudi Stock Exchange (Tadawul), Bloomberg, Yahoo Finance Finextra, CoinDesk, Investopedia
Other Learning Materials	<ul style="list-style-type: none"> <li>- Investopedia Stock Simulator – for virtual trading and financial services simulations.</li> <li>- CB Insights from Crunchbase – for startup and innovation tracking in the FinTech space.</li> </ul>

### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	<b>Classrooms</b>
<b>Technology equipment</b> (projector, smart board, software)	<b>Projector – Smart board – Computer</b>
<b>Other equipment</b> (depending on the nature of the specialty)	

## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students - Faculty	Indirect
Effectiveness of Students assessment	Faculty	Indirect
Quality of learning resources	Students - Faculty	Indirect
The extent to which CLOs have been achieved	Faculty	Direct
Other		

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)





#### G. Specification Approval

COUNCIL /COMMITTEE	Umm Al-Qura University Council
REFERENCE NO.	851281214463/194460
DATE	1447/01/20

