



Course Specification

(Bachelor)

Course Title: Data Governance

Course Code: APFT2513

Program: Diploma in Fintech

Department:

College: The applied College

Institution: Umm Al-Qura University

Version: First

Last Revision Date: 8 April 2025



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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:(3/3)

4. Course General Description:

This course introduces students to the principles, frameworks, and practices of data governance in the context of financial technology. It emphasizes the importance of data quality, ownership, compliance, and security. Students will explore data lifecycle management, metadata standards, and regulatory requirements such as GDPR and financial data compliance. Through case studies and labs, students will learn how to design and implement data governance policies that support responsible data management in FinTech environments.

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

None

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

None

7. Course Main Objective(s):

Upon completion of the course, students will be able to:

1. Understand the fundamentals of data governance and its relevance to FinTech.
2. Explain roles, responsibilities, and structures for data stewardship.
3. Evaluate legal and regulatory frameworks affecting financial data governance.
4. Apply tools and best practices to improve data quality and integrity.
5. Develop a basic data governance framework for a FinTech organization

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"> Traditional classroom E-learning 		





No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	2 * 15 = 30
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	Define data governance and describe its components in the FinTech industry	K1	Interactive lectures, visual aids, and guided discussions.	Exams, Participation, Group Project
1.2	Explain data stewardship models and roles in ensuring data accountability	K2	Case-based teaching and instructor-led concept breakdowns.	Exams, Participation, Group Project
1.3	Discuss compliance, privacy laws, and ethical standards in data governance.	K3	Lectures, Seminars and analysis of current regulatory cases.	Exams, Participation, Group Project
2.0	Skills			
2.1	Analyze the quality and lifecycle of organizational data	S1	Lectures, using tools	Exams, Participation, Group Project





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.2	Design data governance structures using real-world frameworks.	S2	Lectures, Assignments,	Exams, Participation, Group Project
3.0	Values, autonomy, and responsibility			
3.1	Promote ethical and secure data practices in the financial sector.	V1	Discussion, Assignments	Group Discussions, Group Project
3.2	Demonstrate responsible data handling aligned with legal requirements.	V2	Discussion, Assignments	Group Discussions, Group Project

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Data Governance and FinTech Context	3
2	Key Principles and Dimensions of Data Governance	3
3	Data Ownership, Stewardship, and Roles	6
4	Metadata Management and Data Cataloging	6
5	midterm exam	3
6	Data Quality: Measurement and Management	6
7	Privacy and Compliance (e.g., GDPR, Open Banking)	3
8	Risk Management in Data Governance	3
9	Master Data and Reference Data Management	3
10	Data Architecture and Data Lineage	3
11	Ethical Issues in Data Use and Analytics	3
12	Creating a Data Governance Framework	3
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	20%
3.	Individual Homework	6	5%
4.	Participation	Ongoing	5%
5.	Final Exam	TBD	45%

*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	<i>Plotkin, D. (2021). Data Governance: How to Design, Deploy, and Sustain an Effective Data Governance Program. 2nd Edition. Morgan Kaufmann.</i>
Supportive References	<ul style="list-style-type: none"> - Seiner, R. S. (2014). Non-Invasive Data Governance. Technics Publications. - Khatri, V. & Brown, C. V. (2010). Designing Data Governance. Communications of the ACM.
Electronic Materials	- World Economic Forum reports on blockchain
Other Learning Materials	<ul style="list-style-type: none"> - DAMA-DMBOK (Data Management Body of Knowledge) - EDM Council Resources (DCAM) https://edmcouncil.org/frameworks/dcam/ - Articles from Harvard Business Review, McKinsey & WEF on Data and Governance

2. Required Facilities and equipment



Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms
Technology equipment (projector, smart board, software)	Projector – Smart board – Computer
Other equipment (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

