Proposed Academic Year	2021/ 2022	Last Reviewed Academic Year	2020/2021
Course Code	INTE407	Course Title	Block Chain Technologies
Credit hours	3	Level of study	Undergraduate-year4
College / Centre	COBA	Department	MIFS
Co-requisites	None	Pre-requisites	INTE330

1.   COURSE OUTLINE

The course intends to explore the concepts and roles of block chain technology and discuss the viewpoint of decentralization in block chain. This course also explores the different applications of block chain and its related benefits and limitations.

2.   AIMS

[This course aims to deliver students with the basic concepts and knowledge of blockchain technology and its components and applications.
]

3.   LEARNING OUTCOMES, TEACHING, LEARNING ,ASSESSMENT METHODS , and Graduate Attributes Mapping

Learning Outcomes *(Definitive)* Upon successful completion of this course, students will be able to**:**	Teaching and Learning methods *(Indicative)*	Assessment *(Indicative)*	Graduate Attributes Mapping
1. Demonstrate an appropriate understanding of blockchain technology concepts and goals	e.g., lectures, online videos tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	e.g., tests, assignments, individual or group project, participation	Knowledge of a discipline.
2. Discuss the basic elements, types, and features of blockchain technology	e.g., lectures, online videos tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	e.g., tests, assignments, individual or group project, participation	Knowledge of a discipline.
3. Identify the benefits and limitation blockchain	e.g., lectures, online videos tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	e.g., tests, assignments, individual or group project, participation	Knowledge of a discipline. Commitment to national development and Omani ethical values. Innovative spirit. Global insight

4.	Demonstrate appropriate understanding of blockchain decentralization	e.g., lectures, online videos tutorials and seminars, online group discussions using LMS, independent readings, individual or group work, presentation.	e.g., tests, assignments, individual or group project, participation	Knowledge of a discipline. Commitment to national development and Omani ethical values. Innovative spirit. Global insight

4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Midterm exam	30
Final exam	30
assignment	30
participation	10
TOTAL	100%

5. ACHIEVING A PASS

Students will achieve 3 credit hours for this course by achieving a minimum overall score of 50%
*NB *Ensure that ALL learning outcomes are taken into account*

6. COURSE CONTENT (Indicative)

LECTURE TOPIC	TIME (HOURS)
Introduction to blockchain	8
Blockchain elements	7
Features of blockchain	7
Types of blockchain	7
Benefits and limitation of blockchain	6
decentralization	7
bitcoin	6

TOTAL HOURS	**48**
Plus **RECOMMENDED INDEPENDENT STUDY HOURS**	
TOTAL COURSE HOURS	**48**

7. RECOMMENDED READING

Core text/s:

Bashir, I. (2017). *Mastering Blockchain.* Packt Publishing Ltd.

Chen, S., Wang, H., & Zhang, L.-J. (2018). *Blockchain – ICBC 2018: First International Conference, Held as Part of the Services Conference Federation, SCF 2018, Seattle, WA, USA, June 25-30, 2018, Proceedings.* Springer.

Library + online resources:
: ASU library
ASU online resources (ProQuest and ebrary)
Sultan Qaboos University Library (by agreement