



Course Descriptor
MIFS 420-Information System Risk Management

Proposed Academic Year	2020-2021	Last Reviewed Academic Year	2019-2020
Course Code	MIFS420	Course Title	Information System Risk Management
Credit hours	03	Level of study	UNDERGRADUATE
College / Centre	-	Department	MIFS101
Co-requisites		Pre-requisites	

1. COURSE OUTLINE

The course focus on introducing the organizational assets and the associated risks. The course introduces the process of identifying assets and associated threats and estimate the vulnerability of the threats to conduct an appropriate risk management plan.

2. AIMS

The course aims to equip the students with the appropriate knowledge to demonstrate an understanding and appreciation of risk management in an information environment; identify the risks associated with the use of information and technology; Recommend controls to mitigate risks, whether human, process, or technology based; and Demonstrate an awareness of current development in the of Information risk.

3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)
Upon successful completion of this course, students will be able to:		
1. Illustrates an appropriate understanding about the concept of information security & risk management.	<ul style="list-style-type: none"> Lectures, Seminars, Presentations, Case study 	e.g., tests, assignments, individual or group project, participation
2. Relate known concepts, theories, and methods of enquiry in the Information systems risk management field	<ul style="list-style-type: none"> Lectures, Seminars, Presentations, Case study 	e.g., tests, assignments, individual or group project, participation



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3. Design & Develop conceptual information security solution architecture	<ul style="list-style-type: none"> Lectures, Seminars, Presentations, Case study 	e.g., tests, assignments, individual or group project, participation
4. Combine knowledge of data security and ownership.	<ul style="list-style-type: none"> Lectures, Seminars, Presentations, Case study 	e.g., tests, assignments, individual or group project, participation

4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
FINAL	30
MIDTERM	30
ASSIGNMENT	30
PARTICIPATION	10
TOTAL	100%

5. ACHIEVING A PASS

Students will achieve 03 credit hours for this course by passing **ALL** of the course assessments [*alternatively, list the compulsory pass assessments**] and achieving a **minimum overall score of xx%**

NB *Ensure that ALL learning outcomes are taken into account

6. COURSE CONTENT (Indicative)

Introduction to Risk Management
Information & Tech Risk Management
Assessing Information Risks and Controls
Data Security and Encryption
Organizational Network and Application Security
IT Fraud & Digital Forensics
Information Process Risk
Non-Technical Security and The Future of Information Security



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TOTAL HOURS	
Plus RECOMMENDED INDEPENDENT STUDY HOURS	
TOTAL COURSE HOURS	

7. RECOMMENDED REFERENCES

Core text/s:

- 1. [Management of Information Security 5th Edition Michael E. Whitman, Herbert J. Mattord](#)

Library + online resources:

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

Open Educational Resources:

- 1. <https://bus206.pressbooks.com/chapter/chapter-6-information-systems-security/>



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