



Course Descriptor
INTE230 Incident Response Management

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|-------------------------------|------------|------------------------------------|------------------------------|
| Proposed Academic Year | 2021/ 2022 | Last Reviewed Academic Year | 2020/2021 |
| Course Code | INTE230 | Course Title | Incident Response Management |
| Credit hours | 3 | Level of study | Undergraduate-Year Second |
| College / Centre | COBA | Department | MIFS |
| Co-requisites | None | Pre-requisites | INTE201 |

1. COURSE OUTLINE

The course design to enable the students to manage the security incident and avoid vulnerabilities and increase the efficiency in incident response efforts. The course will cover the topic such as contingency planning and information security, IT Governance Controls, Fraud, and fraud Protection and Detection.

2. AIMS

The aim objective of this course, "INTE230 Incident Response Management," is to equip the students with knowledge and skills in managing security and avoiding common errors in security. The course will enable the students to maintain the security and risk in the systems.

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

| Learning Outcomes (Definitive) | Teaching and Learning methods (Indicative) | Assessment (Indicative) | |
|--|--|--|---|
| Upon successful completion of this course, students will be able to: | | | |
| 1. Identify the security and related to the inform technology | Lectures and seminars, Case Studies, Group work, presentations, lab work | Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project | Knowledge of a discipline. Innovative spirit. Global insight. |
| 2. Known how to mitigate identified security and risks | Lectures and seminars, Case Studies, Group work, presentations, lab work | Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project | Knowledge of a discipline. Commitment to national development and Omani ethical values. Innovative spirit. Global insight. |



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| <p>3. Develop key audit steps and control checklist related to technology security and risks</p> | <p>Lectures and seminars, Case Studies, Group work, presentations, lab work</p> | <p>Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project</p> | <p>Knowledge of a discipline. Commitment to national development and Omani ethical values. Innovative spirit. Global insight.</p> |
| <p>4. Distinguish between the key technology risks and controls.</p> | <p>Lectures and seminars, Case Studies, Group work, presentations, lab work</p> | <p>Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project</p> | <p>Knowledge of a discipline. Commitment to national development and Omani ethical values. Innovative spirit. Adaptability to changing environments</p> |
| | | | |

4. ASSESSMENT WEIGHTING

| Assessment | Percentage of final mark (%) |
|---------------------|------------------------------|
| MID | 30 |
| Assignment/ Project | 30 |
| Participation | 10 |
| Final | 30 |
| | |
| 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)



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| LECTURE TOPIC | TIME (HOURS) |
|---|--------------|
| Introduction | 03 |
| | 05 |
| Information Technology Risk Management | 05 |
| Assessing Information Risks and Controls | 6 |
| Data Security and Encryption | 6 |
| Organizational Network and Application Security | 5 |
| IT Fraud & Digital Forensics | 8 |
| Planning and Managing the Information Technology Audit Function | 07 |
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| TOTAL HOURS | 45 |
| Plus RECOMMENDED INDEPENDENT STUDY HOURS | |
| TOTAL COURSE HOURS | 45 |

7. RECOMMENDED READING

Core text/s:

Luttgens, J.T., Pepe, M. and Mandia, K., 2014. *Incident response & computer forensics*. McGraw-Hill Education Group.

[IT Security Risk Control Management: An Audit Preparation Plan 1st ed. Edition by Raymond Pompon \(Author\)](#)

Library + online resources:



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ASU library
ASU online resources (ProQuest and e-library) and
Sultan Qaboos University Library.