

2024 / 25

School of Science and Computing

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**SE
TU**

Ollscoil
Teicneolaíochta
an Oirdheiscirt

South East
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Module Descriptor

Forensic Accounting and Fraud Audit (Computing and Mathematics)

Forensic Accounting and Fraud Audit (A14175)

Short Title: Forensic Acc & Fraud Audit
Department: Computing and Mathematics
Credits: 5

Level: Introductory

Description of Module / Aims

In this module students are introduced to the theoretical perspectives underpinning fraudulent behaviour in a business context. The module identifies the role of the forensic accountant/fraud auditor and examines an array of fraud deterrence and detection techniques with particular emphasis on financial statement fraud. This module focuses on providing a general view of accounting and audit principles, focusing on financial investigation and internal control. Through case studies, common risks that increase the possibility of fraudulent behaviour and associated red flags are examined.

Programmes

			stage/semester/status
COMP-0420	BSc (Hons) in Applied Computing (WD_KACCM_B)		2 / 4 / E
COMP-0420	BSc (Hons) in Applied Computing (WD_KCOMP_B)		2 / 4 / E
COMP-0420	BSc (Hons) in Computer Forensics and Security (WD_KCOFO_B)		2 / 4 / M
COMP-0420	BSc (Hons) in Computer Science (WD_KCMSC_B)		2 / 4 / E

Indicative Content

- Theories explaining fraud and behavioural aspects including The Fraud Triangle
- The role of forensic accounting/fraud auditing and how this compares and contrasts with the roles and responsibilities of internal and external auditors
- Types of fraud as illustrated by the fraud tree including skimming, payroll schemes, cash larceny, billing schemes, inventory schemes and financial statement fraud. Indicators of common fraud types and how opportunities for each fraud arise
- Money Laundering prevention and detection
- Fraud prevention techniques including governance mechanisms and internal control
- Tools and techniques that may be utilised during fraud investigations including CAATs, data mining, interviews and analytical procedures
- Reporting and documentation of fraud investigations

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Discuss the dominant theoretical principles of fraudulent behaviour in the context of corporate fraud.
2. Explain the roles and responsibilities of forensic accountants/fraud auditors and how these differ from internal and external auditors.
3. Describe common fraud types including red flags.
4. Discuss the controls and procedures that can assist in the prevention of fraud.
5. Identify and explain appropriate tools and techniques used during fraud investigations.
6. Evaluate case studies and scenarios drawing on the multi-dimensional aspects covered throughout the module.

Learning and Teaching Methods

- Focus on student-centred learning supported by lecturer guided activities.
- Development of the student's problem solving skills through analysis and discussion of case studies and scenarios.
- Independent reading including general business reading.
- Participation in group discussions, group work and classroom debates.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	48	
Independent Learning	87	

Assessment Methods

	Weighting	Outcomes Assessed
Final Written Examination	70%	1,2,3,4,5,6
Continuous Assessment Assignment	30%	1,2,3,4,5,6

Assessment Criteria

<40%: Descriptive level of discussion, showing lack of evidence of the underpinning knowledge. No evidence of linking theory to practice.

40%–49%: Limited consideration, discussion and reflection of main points and concepts addressed.

50%–59%: Consideration and limited analysis of main points and concepts. Limited discussion and reflection, but showing a clear grasp of the underlying principles. Some evidence of theory to practical integration.

60%–69%: Address and analyse the main points and show clear evidence of a good grasp of the underlying knowledge.

70%–100%: Demonstrates good structure and clarity of thought. Good level of critical analysis, originality of thought and comprehensive knowledge base. Good critical evaluation and synthesis of relevant issues, showing an ability to integrate theory to practice.

Essential Material(s)

- "www.acfe." www.acfe.com
- "www.iaa.org.uk." www.iaa.org.uk
- "www.theiaa.org." www.theiaa.org

Supplementary Material(s)

- Pedneault, S., M. Sheetz and F. Rudewicz. *Forensic Accounting and Fraud Investigation for Non-Experts*. 3rd ed. Hoboken: John Wiley and Sons Inc., 2012.
- Taylor, J. *Forensic Accounting*. Harlow: Pearson Education Limited, 2011.
- Wells, J.T. *Corporate Fraud Handbook: Prevention and Detection*. 3rd ed. Hoboken: John Wiley and Sons Inc., 2011.