

MODULE DESCRIPTOR

Module Title

ICAS - Data, Risk & Technology

Reference	BSM183	Version	1
Created	October 2023	SCQF Level	SCQF 11
Approved	December 2023	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To develop the concept of risk and consider approaches to risk management to allow students to evaluate the risks facing a business and advise on appropriate risk management strategies. To provide an understanding of the concepts, methods and ideas affecting existing and emerging digital technologies including how these add value to existing control frameworks.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Recommend risk management strategies to address financial and non-financial risks affecting an organisation.
- 2 Evaluate and communicate the results of data analyses, presented in a range of formats, to provide relevant information for decision making.
- 3 Identify and evaluate existing and emerging technology solutions and contribute to an IT strategy to meet business objectives and strategy.
- 4 Evaluate and respond appropriately to ethical issues arising in the context of data, risk and technology.

Indicative Module Content

This module integrates the syllabus content of the ICAS Skills module - Data, Risk and Technology. This examination is assessed by ICAS. The syllabus covers content that will allow students to: analyse business risk, risk tolerance and appetite, risk mitigation and monitoring processes; recommend appropriate risk management strategies to effectively manage financial and non-financial risks affecting the organisation; evaluate and communicate the results of data analysis, presented in different formats, to provide relevant information for decision making; evaluate existing and emerging technology solutions to contribute to the development of an IT strategy which meets business objectives and strategy; apply the ICAS Code of Ethics and any other relevant frameworks to appropriately address ethical issues identified in a given business situation.

Module Delivery

This module is initially delivered using online learning materials/activities and directed study supplied by ICAS. Face to face engagement occurs through the ICAS training and teaching route approved and agreed by the student's employer. Work based learning will allow students to reflect on their professional development in the context of their own workplace.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	70	N/A
Non-Contact Hours	100	N/A
Placement/Work-Based Learning Experience [Notional] Hours	130	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>	130	

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	ICAS Data, Risk and Technology Exam				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

This module is assessed by one component: C1 - Examination (100% weighting) is assessed on a pass/fail basis. This module is not graded.

Module Grade	Minimum Requirements to achieve Module Grade:
Pass	Pass in C1 ICAS Data, Risk and Technology Examination
Fail	Fail in C1 ICAS Data, Risk and Technology Examination
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	BS1072; BS2080 or BS1003; BS1071; BS2070; BS2071; BS3116; BS3117; BS3080; BS3070; BS3071; BS4070; BS4074
Corequisites for module	None.
Precluded Modules	None.

ADDITIONAL NOTES

Students must pass all accredited modules in order to engage with this module - BSM183. ICAS must have granted the exemptions to allow a student to progress into the professional examination stage.

INDICATIVE BIBLIOGRAPHY

- 1 DORNBERGER, R., 2018. *Business Information Systems and Technology 4.0, New trends in the Age of Digital Change*. Cham: Springer.
- 2 MARTIN, K., SHILTON, K. and SMITH, J.D., 2022. *Business and the ethical implications of technology*. Cham: Springer.