



Module Specification

Business Information Systems

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Part 1: Information

Module title: Business Information Systems

Module code: UFCFPM-30-1

Level: Level 4

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Environment & Technology

Department: FET Dept of Computer Sci & Creative Tech

Partner institutions: None

Delivery locations: Not in use for Modules

Field: Computer Science and Creative Technologies

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Information systems are an integral part of all business activities. This topic is designed to introduce apprentices to contemporary information systems and demonstrate how these systems are used throughout organisations.

Features: Not applicable

Educational aims: The focus will be on the key components of information systems - people, software, hardware, data and communication technologies, and how these components can be integrated and managed to create competitive advantage.

Outline syllabus: Why Information Technology is important to business and society

The technology, people, and organisational components of information systems

How and why information systems are used today

Globalisation and the role information systems have played in this evolution

The value of information systems investments, formulate a business case for a new information system, including estimation of both costs and benefits

Identify the major components of an information systems infrastructure

How information systems are enabling new forms of commerce between individuals and organisations

How information systems enable core and supportive business processes as well as those that interface with suppliers and customers

How organisations develop and acquire information systems and technologies

How to secure information systems resources, focusing on both human and technological safeguards

How businesses are using information systems for competitive advantage vs. competitive necessity

Existing and emerging information technologies and the impact on IT strategy and organisational strategy

Emerging technologies that enable new forms of communication, collaboration and partnering

Information needed to gain business intelligence to support the decision making for the different levels and functions of the organisation

How enterprise systems foster stronger relationships with customers and suppliers and how these systems are widely used to enforce organisational structures and processes

Part 3: Teaching and learning methods

Teaching and learning methods: Introductory lectures are supported by seminars, case studies, visits and practical workshops. In addition this module will be supported by interactive forums and learning tools.

300 hours study time of which 72 hours will represent scheduled learning. Scheduled learning typically includes lectures, seminars, tutorials, demonstration, practical classes and workshops; external visits; supervised time in studio/workshop and an interactive forum.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion. Apprentice study time will be organised each week with a series of both essential and further readings and preparation for practical workshops. It is suggested that preparation for lectures, practical workshops, session delivery and seminars will take 7 hours per week.

Hours:

72 hours scheduled learning

228 hours research, independent study and preparation for assessment work

All apprentices are expected to attend a series of tutorials.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Explain the components of information systems, including the technology, people and organisational elements.

MO2 Understand how to formulate a business case for a new information system, including estimation of both costs and benefits.

MO3 Identify the major components of an information systems infrastructure.

MO4 Critically analyse a business domain in order to identify the role of information systems and highlight issues.

MO5 Evaluate information systems in relation to their intended purpose with regard to their effectiveness.

MO6 Evaluate how to secure information systems resources, focusing on both human and technological safeguards.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: This module is assessed by a combination of techniques: written unseen exam and a project report.

Written unseen exam

A 2 hour exam is taken at the end of the semester to ensure the apprentice's knowledge and ability to apply the theories taught in class. The exam constitutes for

50% of the final grade.

Project Report

An individual 3000 words project intended on examining the apprentice's knowledge of the information systems technology concepts taught and their ability to apply this knowledge.

This project will allow the apprentice to work independently and engage with the theme of their choice but will nevertheless employ analytical skills in the context of the IS principles. This project will constitute 50% of the overall apprentice assessment.

Assessment components:

Report (First Sit)

Description: Project report (3000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4, MO5, MO6

Examination (First Sit)

Description: Written unseen exam (Open book)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Report (Resit)

Description: Project report (3000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested:

Examination (Resit)

Description: Written unseen exam (Open book)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Digital and Technology Solutions (Business Analyst) {Apprenticeship-UCW} [UCW] -
Withdrawn BSc (Hons) 2023-24

Digital and Technology Solutions (Cyber Security Analyst) {Apprenticeship-UCW}
[UCW] BSc (Hons) 2023-24

Digital and Technology Solutions (Data Analyst) {Apprenticeship-UCW} [UCW] BSc
(Hons) 2023-24

Digital and Technology Solutions (Software Engineer) {Apprenticeship-UCW} [UCW]
BSc (Hons) 2023-24