



## **Module Specification**

### **Business Applications**

Version: 2026-27, v2.0, Approved

#### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>4</b>
<b>Part 4: Assessment.....</b>	<b>5</b>
<b>Part 5: Contributes towards .....</b>	<b>7</b>

## Part 1: Information

**Module title:** Business Applications

**Module code:** UFCFP3-30-1

**Level:** Level 4

**For implementation from:** 2026-27

**UWE credit rating:** 30

**ECTS credit rating:** 15

**College:** College of Arts, Technology and Environment

**School:** CATE School of Computing and Creative Technologies

**Partner institutions:** None

**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:** This module teaches business analysis methodologies to optimise processes and database technologies to organise, understand, and leverage data for strategic decisions. Students complete projects applying their new skills in requirements gathering, data modelling, database building, and dashboard creation to systematically improve organisational systems and performance. The program develops core competencies in analytical approaches alongside hands-on database skills to drive data-based business strategy.

**Features:** Not applicable

**Educational aims:** This module aims to:

Introduce students to business analysis techniques and requirements elicitation methods, developing their ability to gather and document stakeholder needs through structured interviews and investigation

Develop practical skills in database design and implementation, including entity relationship modelling and normalisation to create functional data solutions

Build confidence in designing and developing business application prototypes that integrate analytical insights

Foster collaborative teamwork and professional communication skills through group-based projects that simulate real-world Information Science (IS) development scenarios

**Outline syllabus:** Information systems play a critical role in supporting and enhancing business operations and decisions. This module explores the application of analytical approaches and database technologies for optimising organisational processes and data usage through integrated business analysis and technical implementation skills.

Students develop comprehensive business analysis capabilities including requirements engineering, requirements elicitation techniques, and process modeling using tools such as use case diagrams and activity diagrams. The curriculum covers systematic approaches to requirements analysis and documentation, enabling students to translate stakeholder needs into structured business requirements and identify process improvement opportunities.

Technical competencies focus on database design principles, entity relationship modelling, normalisation, and Structured Query Language (SQL) implementation for data manipulation and querying. Students gain hands-on experience developing business applications, creating functional prototypes that demonstrate integration of

analytical insights with practical technical solutions.

Upon completion, students demonstrate fundamental proficiencies in core business analysis and database technologies alongside analytical and critical thinking abilities to improve organisational operations and information systems.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** Learning opportunities will be conducted through a structured, tutor-led programme. The module lays great emphasis on the need to combine formal, academic material with the application of ideas and concepts. To this end extensive use will be made of case study-based exercises, group work exercises, webcast and video material. Collaboration, team working and sharing of knowledge and experience will be promoted through a group project.

Practical and professional skills and competences in IS development will be integrated into the syllabus. This is based on the notion that true understanding comes from participation in action and that learning through reflective IS practice is valuable. Promotion of investigative skills through conversation, interviewing, use of library and internet sources will form one of the practical elements. Associated with this will be the need to document, diagram and present the findings.

A central plank of IS development practice, working in teams, will form another major element in students' practical engagement with the module, in order to promote skills in communication, assertion, negotiation and evaluation.

No variations for part-time study. Distance learning not available for this module, due to the emphasis on teamwork.

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

**MO1** Demonstrate understanding of business analysis techniques and requirements engineering.

**MO2** Design and build databases by applying data modelling principles.

**MO3** Evaluate business data and performance to support decision making through data analysis, visualisation, reporting, and interpretation skills.

**MO4** Communicate business analysis insights to stakeholders according to industry standards and practices.

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ufcfp3-30-1.html) via the following link <https://uwe.rl.talis.com/modules/ufcfp3-30-1.html>

## **Part 4: Assessment**

**Assessment strategy:** There are two assessment points: an interview to elicit requirements and a portfolio containing a report and a demonstration of the final product.

Group Work - The proposal, design and development of a prototype of a business application with appropriate documentation.

Group work has the benefit of creating peer groups, providing a support network for learning, allowing for the consolidation and sharing and dissemination of prior learning and the practice, improvement and assessment of key transferrable skills.

Staff will provide on-going guidance to students on working in a group and the work of groups will be continuously monitored in workshop sessions so that issues can be resolved in a fair and equitable manner at the earliest possible opportunity.

Group work sub-tasks are based on scenarios which provide formative and summative feedback on the investigation and analysis before working on the design and build phase.

Resit assessment will match the first sit and deliverable(s) will be scaled appropriately to group size and task complexity.

**Assessment tasks:**

**Practical Skills Assessment (First Sit)**

Description: Interview to elicit requirements.

Weighting: 25 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1

**Portfolio (First Sit)**

Description: Proposal, design and development of prototype of a business application.

Weighting: 75 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO2, MO3, MO4

**Practical Skills Assessment (Resit)**

Description: Interview to elicit requirements. Groups of one are permissible.

Weighting: 25 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1

**Portfolio (Resit)**

Description: Proposal, design and development of prototype of a business application.

Weighting: 75 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO2, MO3, MO4

## **Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Business Computing {Foundation} [Frenchay] BSc (Hons) 2025-26

Business Computing {Foundation} [GCET] DipHE 2025-26

Business Computing [Frenchay] BSc (Hons) 2026-27

Business Computing [Frenchay] BSc (Hons) 2026-27

Business Computing {Foundation} [Frenchay] BSc (Hons) 2025-26

Business Computing {Foundation} [GCET] BSc (Hons) 2025-26

Business Computing {Foundation} [GCET] DipHE 2025-26