**Module Specification**

# Project and Requirements Management [TSI]

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## Contents

# Part 1: Information

**Module title:** Project and Requirements Management [TSI]

**Module code:** UFCE86-12-M

**Level:** Level 7

**For implementation from:** 2023-24

**UWE credit rating:** 12

**ECTS credit rating:** 6

**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:**

**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 will help students to get the necessary knowledge, skills, and competencies to manage IT projects effectively. Students will develop skills in the requirements management processes (establishing, defining, modelling, evaluating, and tracing various requirement types.) as well as overseeing work, cost, time, quality and the overall satisfaction of stakeholders.

**Features:** Not applicable

**Educational aims:** Students will develop skills in the requirements management processes (establishing, defining, modelling, evaluating, and tracing various requirement types.) as well as overseeing work, cost, time, quality and the overall satisfaction of stakeholders.

**Outline syllabus:** Project Management Concept. Project management processes and knowledge areas. Review.

IT Project Integration management. IT project scope management.

Practical assignment.

IT project time management. Project scheduling and resource allocation.

IT project cost management; project progress control.

IT project quality management, Risk identification and analysis.

IT Project human resource and communication management.

Introduction to Requirements Engineering and Management. Requirements from the stakeholders' perspective.

Good Practices for Requirements Engineering.

Establishing the Business Requirements using Requirements' Elicitation techniques.

Requirements modelling, analysis, verification, and validation techniques.

Requirements Management Practices.

Requirements Change Management. Tracing Requirements.

## Part 3: Teaching and learning methods

**Teaching and learning methods:** Learning and teaching will be provided to students in two forms: lectures and practical classes. During lectures, theoretical aspects of the course will be provided to students by the teaching staff. Lectures will be supported by presentation published and available to the students on e.tsi.lv under the module section. Also, additional materials, like publications on the internet, videos, case-studies etc will be presented in e.tsi.lv.

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

**MO1** Assess and implement various techniques for project planning, cost estimation, risk management, and control in the execution and oversight of an IT development project.

**MO2** Select and use appropriate tools and techniques for the elicitation, modelling, analysis, validation and verification of functional and non-functional requirements in a software development project.

**MO3** Monitor progress and define strategies that optimise interaction between personnel and create an effective project team.

**MO4** Communicate effectively with technical and non-technical stakeholders, using professionally recognised notations and forms of documentation appropriate to each stage in the design and development of a software product.

**MO5** Recognise IT project limits, apply modern tools and practices for team coordination and IT project planning.

**Hours to be allocated:** 120

**Contact hours:**

Independent study/self-guided study = 112 hours

Face-to-face learning = 48 hours

Total = 160

**Reading list:** The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link

## Part 4: Assessment

**Assessment strategy:** The assessment for this course has been split into two tasks.

The first task is s2 hour written examination, which covers theoretical aspects of the course,

The second task is project development in the frame of the course. Students will be expected to produce a report describing all important aspects of the project implementation.

For exam the resit would use different version of the exam paper, while for the second task, the rework/update of the original submission is expected.

**Assessment tasks:**

**Examination** (First Sit)
Description: Written exam (2 hours).
Weighting: 25 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2

**Portfolio** (First Sit)
Description: Series of reports on practical assignments.
Weighting: 75 %
Final assessment: No
Group work: No
Learning outcomes tested: MO2, MO3, MO4, MO5

**Examination** (Resit)
Description: Written exam (2 hours).

Weighting: 25 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2

**Portfolio** (Resit)

Description: Resit reports on the practical assignments.

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested: MO2, MO3, MO4, MO5

## Part 5: Contributes towards

This module contributes towards the following programmes of study:

Computer Science (Data Analytics and Artificial Intelligence) {Double Degree} [TSI]
MSc 2023-24