



## **Module Specification**

### **Critical Thinking and Pedagogy [TSI]**

Version: 2021-22, v1.0, 26 Oct 2021

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## Part 1: Information

**Module title:** Critical Thinking and Pedagogy [TSI]

**Module code:** UFCE81-12-M

**Level:** Level 7

**For implementation from:** 2021-22

**UWE credit rating:** 12

**ECTS credit rating:** 6

**Faculty:** Faculty of Environment & Technology

**Department:** FET Dept of Computer Sci & Creative Tech

**Partner institutions:** Transport and Telecommunication Institute

**Delivery locations:** Transport and Telecommunication Institute Latvia

**Field:** Computer Science and Creative Technologies

**Module type:** Standard

**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 aims to introduce students to different aspects of teaching within the context of higher education.

**Features:** Not applicable

**Educational aims:** This module will introduce students to aspects of teaching. Students will learn different pedagogical and reflective approaches utilising these to produce materials for a teaching session.

**Outline syllabus:** Conceptual module.

Subject of higher school pedagogy and its system of concepts. Education in today's world. Forms of organizing learning activities. Didactics – the science of education and training. Training, teaching, teaching. System of educational and professional competences. Forms of organizing the study process. Development trends of modern education: basic strategies and models. Humanization and the humanization of education. World-wide education. Supportive and innovative education. Open or free education. Marketization of education. Marketing of educational services. Scientific educational management.

Technological module.

The essence of training and educational technologies – development of internal potential, improvement of professionalism and adaptation abilities. Games for teaching and learning (didactic game, modelling technologies). Training technologies. Personality-oriented pedagogical technologies. Project technologies. Internet communications in higher education pedagogy.

Reflexive pedagogy module.

The concept of pedagogical design. Stages of pedagogical design: creation, design, construction.

Pedagogical model. Different models of pedagogical design theory: forecasting, conceptual, instrumental and monitoring model. Pedagogical design model: 1) pedagogical system; 2) educational management system; 3) methodological provision system; 4) educational process project. Relationships between creation and design. Forms and principles of pedagogical design.

### **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. Also it is planned that each student based on his/her particularities will carry classes or develop methodological materials.

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

**MO1** Evaluate and apply knowledge of current teaching practice and pedagogic approaches effectively within Higher Education

**MO2** Use knowledge of psychological, behavioural and learning situations to model, design, construct and deliver different types of teaching and learning experiences effectively within Higher Education

**MO3** Evaluate feedback and reflect upon teaching and learning experiences to develop creative and an innovative professional practice

**MO4** Communicate effectively using appropriate verbal and non-verbal tools and techniques

**MO5** Reflect on skills and ability, and identify appropriate personal development training needs to improve professional practice

**MO6** Demonstrate time and organisational management skills.

**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](https://rl.talis.com/3/uwe/lists/4C199AE9-DA21-1580-B8B6-4F519268658A.html?lang=en-gb&login=1) via the following link <https://rl.talis.com/3/uwe/lists/4C199AE9-DA21-1580-B8B6-4F519268658A.html?lang=en-gb&login=1>

## Part 4: Assessment

**Assessment strategy:** There are two assessments for this module, they are as follows:

### Component A - Presentation

Individual presentation demonstrating a pedagogical approach.

### Component B - Project

The project could be presented in different forms, like development of the methodological material for classes, or some classes supervision (development of lectures).

The resit will follow the same pattern as the main sit.

### Assessment components:

#### **Presentation - Component A (First Sit)**

Description: A short presentation (live/video)

Weighting: 40 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO3, MO4, MO5

#### **Project - Component B (First Sit)**

Description: Student will prepare a range of resources to be used for teaching. This will vary but will include the development of the methodological material for classes, or some classes supervision (development of lectures).

Weighting: 60 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

**Presentation - Component A (Resit)**

Description: A short presentation (live/video)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO4, MO5

**Project - Component B (Resit)**

Description: Student will prepare a range of resources to be used for teaching. This will vary but will include the development of the methodological material for classes, or some classes supervision (development of lectures).

Weighting: 60 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Computer Science (Data Analytics and Artificial Intelligence) {Double Degree}  
[Feb][FT][TSI][2yrs] MSc 2021-22