

Course Unit	Information and Communication Technologies and Innovative Educational Projects	Field of study	Educational Sciences
Master in	Information and Communication Technologies- Education and Training	School	School of Education
Academic Year	2023/2024	Year of study	1
Type	Semestral	Semester	2
Level	2-1	ECTS credits	4.0
Code	1083-622-1204-00-23		
Workload (hours)	108	Contact hours	T 6 TP 15 PL - TC - S 5 E - OT 10 O -

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Maria Raquel Vaz Patrício

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understanding the meaning and the innovation process / quality and their constraints in the implementation of institutional context.
2. Use the methodological tools, techniques and tools aimed to support the generation of ideas for entrepreneurial projects.
3. Acquire skills in the design, development and implementation of programs and innovative and entrepreneurial educational activities.
4. Knowing projects, measures more relevant incentives and policies in promoting innovation and fostering entrepreneurship, with particular emphasis on the promotion of entrepreneurship in school.
5. Know the main orientations of the education policy of international organizations to in connection to ICT that can boost the development of educational programs, aimed at improving the quality.
6. Analyze innovative practices in educational settings based on the use of ICTs, at national, European and global level.
7. Planning a project aimed at transforming traditional educational and training practices supported by ICT in school.

Prerequisites

Before the course unit the learner is expected to be able to:
Use ICT, including Web services.

Course contents

1. Educational projects; 2. Education for Entrepreneurship with ICT; 3. Guidelines of international organizations for change to the educational policies; 4. Educational Projects analysis; 5. Plan of an entrepreneur project based on ICT.

Course contents (extended version)

1. Education Projects:
 - Different phases of implementation of educational
 - Evaluation of projects
 - Educational innovation and educational projects
 - Factors that affect innovation
 - Innovation / quality and change
 - Profile of the innovative teaching
2. Education for Entrepreneurship with ICT:
 - Entrepreneurship and its implications: business entrepreneur, corporate and social
 - Creativity and innovation in the entrepreneurial process
 - Teaching models with entrepreneurship
 - Entrepreneurship in the classroom
3. Guidelines for international organizations to change to educational policy:
 - Guidelines of UNESCO
 - OECD Guidelines
 - European Union Guidelines
4. Analysis of educational projects:
 - Analysis of projects or training of European Union involving ICT in education
 - Analysis of educational or training projects involving ICT in Portugal
 - Analysis of educational or training projects involving ICT in another countries.
5. Planning a ICT project.

Recommended reading

1. Jardim, J. (2021). Empreende - Manual global de educação para o empreendedorismo. Mais Leituras Editora.
2. Miao, F. & JET Education Services. (2022). Innovative use of technology in education: winning projects of UNESCO's King Hamad Bin Isa Al-Khalifa Prize. UNESCO.
3. OECD. (2016). Innovating Education and Educating for Innovation: The Power of Digital Technologies and Skills, Educational Research and Innovation, OECD.
4. OECD. (2021). OECD Digital Education Outlook 2021: Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots, OECD Publishing.
5. Vincent-Lancrin, S. , et al. (2019), Measuring Innovation in Education 2019: What Has Changed in the Classroom? , Educational Research and Innovation, OECD Publishing.

Teaching and learning methods

After the presentation of some more theoretical concepts of innovation and methodology of project work, students analyze, group, innovative educational projects submitted by teachers, at European, national or countries outside the European Union. These tests will be discussed in large group.

Assessment methods

1. Continuous assessment: - (Regular, Student Worker) (Final)
 - Projects - 70% (Planning an innovative educational project)
 - Presentations - 30% (Project presentation and defense)
2. Exam assessment: - (Regular, Student Worker) (Supplementary, Special)
 - Projects - 100%

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Maria Raquel Vaz Patrício	Manuel Florindo Alves Meirinhos	Manuel Florindo Alves Meirinhos	Carlos Manuel Costa Teixeira
23-11-2023	24-11-2023	24-11-2023	08-02-2024