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| Course Unit | Information Society: Learning and Qualification | | 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 | Level | 2-1 |
| Type | Semestral | Semester | 1 | ECTS credits | 5.0 |
| Code | 1083-622-1103-00-23 | | | | |
| Workload (hours) | 135 | Contact hours | T 15 | TP 5 | PL - |
| | | | TC - | S 7 | E 18 |
| | | | OT - | 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) Bruno Miguel Ferreira Gonçalves

Learning outcomes and competences

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

1. Characterize the information society;
2. Relate the role of ICT with the changing trends of the Information Society;
3. Analyze problems and ambiguities generated by the information society
4. Understand the role of the school to meet the challenges posed by the new society;
5. Reflect upon the role of ICT in transforming education in the forms of learning and training.

Prerequisites

Not applicable

Course contents

The information society. Information society, learning and training. Educational problems and ambiguities generated by the information society. Educational reform, information society and ICT.

Course contents (extended version)

1. Information society
 - The evolution of human societies under the influence of technology
 - The infrastructure for the Information Society
 - Characteristics of the information society and knowledge
 - Indicators for the Information Society and development strategies
 - Evolutionary trends of the information society
 - Public policies and the information society
 - The Open source and open access
 - The Web 2.0, the IoT and artificial intelligence
2. Information society, learning and training
 - The gap in educational institutions
 - The school to meet the challenges of the Information Society
 - New paradigm of learning and training
 - Theories of learning support in the information society
 - The creation of new needs and skills development
 - The need to constantly learn
 - The knowledge economy
 - New patterns of communication, interaction and learning
 - Virtualization of organizations and learning
3. Educational problems and ambiguities generated by the information society
 - Outdated technology and skills mismatch in the processes change
 - The digital divide
 - Problems cultural, organizational and institutional management
 - Overabundance of information (stress information)
 - Intellectual property and plagiarism
 - The (in) security and privacy in the digital world
 - A virtualized reality and cognitive development
 - Advertising in the digital world
 - The fake news
 - Digital Citizenship
4. Educational reform, information society and ICT
 - Successes and failures of educational reforms
 - Future scenarios of development of school
 - ICT support for educational change

Recommended reading

1. Patricia Biegling, P. , Inácio, R. , Vania, B. , Ulbricht, R. , & Oliveira, L. (2013). Tecnologia e novas mídias: da educação às práticas culturais e de consumo. São Paulo: Pimenta cultural
2. Tibor Koltay, T. , Spiranec, S. , & Karvalics, L. (2016). Research 2.0 and the Future of Information Literacy. Cambridge: Elsevier
3. Moreira, M. (2014). Alfabetizaciones y tecnologías de la información y la comunicación. Madrid: Síntesis.
4. OCDE (2021) 21st-Century Readers DEVELOPING LITERACY SKILLS IN A DIGITAL WORLD (OCDE)
5. Schleicher, A. (2020). Learning from the Past, Looking to the Future. OCDE.

Teaching and learning methods

The approach of content for a theoretical context the scope of the course. The concepts addressed by teachers, based on texts or case studies, are always subject to individual reflection and a large group. Students carry out works on group and individual work The group will also be the subject of collective reflection.

Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)
 - Practical Work - 100% (Individual works 50%; Group work 50%)

Assessment methods

2. Alternative 2 - (Regular, Student Worker) (Supplementary, Special)
- Final Written Exam - 100% (Final exam)

Language of instruction

Portuguese

Electronic validation

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|---------------------------------|---------------------------|---------------------------------|------------------------------|
| Bruno Miguel Ferreira Gonçalves | Maria Raquel Vaz Patrício | Manuel Florindo Alves Meirinhos | Carlos Manuel Costa Teixeira |
| 23-11-2023 | 23-11-2023 | 24-11-2023 | 08-02-2024 |

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