

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	2020/2021	Year of study	1	Level	2-1
Type	Semestral	Semester	1	ECTS credits	5.0
Code	1083-622-1103-00-20				
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) Manuel Florindo Alves Meirinhos

#### 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 and the IoT
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  - Outdated technology and skills mismatch in the processes change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
  - 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. Patrícia Biegging, 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. Sacristan, A. (2013). Sociedad del conocimiento: Tecnología y Educación. Madrid: Morata
5. Aretio, L. (2012). Sociedad del conocimiento y educación. Madrid: UNED

#### 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 work 50%; Group work 50%)
2. Alternative 2 - (Regular, Student Worker) (Supplementary, Special)

**Assessment methods**

- Final Written Exam - 100% (Final exam)

**Language of instruction**

Portuguese

**Electronic validation**

Manuel Florindo Alves Meirinhos	João Sérgio Pina Carvalho Sousa	Manuel Florindo Alves Meirinhos	António Francisco Ribeiro Alves
30-09-2020	30-09-2020	30-09-2020	01-10-2020