

Course Unit	E-learning and Virtual Learning Communities		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	6.0
Code	1083-622-1101-00-20				
Workload (hours)	162	Contact hours	T 20	TP 10	PL -
			TC -	S 6	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. Understands the development of distance teaching and learning
2. Understands the importance of e-learning and virtual communities in educational settings and training for the information society
3. Uses virtual communities and understand their dynamics
4. Implements the learning and training beyond the school walls
5. Regards the culture of distance collaboration in community as the most efficient way to meet the training needs required by the information society
6. Implements systems for e-learning or develop learning communities

Prerequisites

Not applicable

Course contents

The distance learning in e-learning The learning communities Collaboration and Learning Communities Models of learning in virtual environments The pedagogy of on-line learning environments. Social networks as promoters of learning environments. Evaluation in the context of e-learning.

Course contents (extended version)

1. The distance learning in e-learning
 - The rapid evolution of distance learning
 - The emergence of a multiplicity of concepts: E-learning, B-learning, M-learning.
 - The support technologies of e-learning
 - In addition to technology: the pedagogic potential of e-learning
2. The learning communities
 - Different types of communities
 - The dynamics that characterize the communities
3. Collaboration and learning communities
 - Mediated communication networks learning
 - The collaborative paradigm in networks
 - Cooperation versus collaboration
 - Personal Learning Environments (PLE)
 - Virtual Learning Environment
4. Learning pedagogy in online environments
 - Transformation of the role of the trainer
 - New function of student
 - The emergence of a new pedagogical approach
5. The social network
 - The pedagogical potential of social networks
 - Social network analysis methodology
6. The MOOC
 - Characteristics of the MOOC
 - Pedagogical potential of MOOC
 - Platforms for creating MOOC
7. The evaluation in context of e-learning
 - Types of evaluation
 - Instruments to support the evaluation

Recommended reading

1. Calvo, M. (2014): Formación en teleformación. formación virtual, on-line y e-learning. Sevilla: MAD
2. Esteban, V. (2015): el futuro de los mooc retos de la formación on line masiva y abierta. Madrid: Sintesis.
3. Gros, B. (2011). Evolución y retos de la educación virtual: construyendo el e-learning del siglo XXI. Barcelona: UOC
4. Issa, T. Pedro Isaias, P. e Kommers, P. (2015): Social Networking and Education: Global Perspectives. Springer.
5. Meirinhos, M. e Osório, J. (2014): A colaboração em ambientes virtuais: aprender e formar no século XXI. Braga: Arcacomum.

Teaching and learning methods

Approaches to some theoretical concepts are intended, as well as knowledge of some tools to implement in practice the knowledge acquired. The implementation of this knowledge in practice aims for teachers to use e-learning and virtual communities for their continuous improvement . This implementation must be accompanied by the teacher and complemented with joint reflection by the trainee group.

Assessment methods

1. Continuous assessment - (Regular, Student Worker) (Final)
 - Work Discussion - 100% (Participation in the community of practice 25%; Teamwork 25% 50% Individual work)
2. Exam - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 100%

Language of instruction

Portuguese

Electronic validation

Manuel Florindo Alves Meirinhos	João Sérgio Pina Carvalho Sousa	Manuel Florindo Alves Meirinhos	António Francisco Ribeiro Alves
01-10-2020	01-10-2020	01-10-2020	02-10-2020