

Course Unit	Orientation Seminar		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	2	Level	2-2
Type	Annual	Semester	-	ECTS credits	12.0
			Code	1083-622-2002-00-23	
Workload (hours)	324	Contact hours	T -	TP 27	PL -
			TC -	S -	E -
			OT 36	O 45	

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, Vítor Manuel Barrigão Gonçalves

#### Learning outcomes and competences

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

1. Apply research strategies, organization and processing of information in order thematic literature review.
2. Develop or select information collection instruments appropriate to the nature of the research project.
3. Consider the ethical issues facing the research in education and set lines of action in accordance with the ethical issues.
4. Analyze and critically reflect on the elements involved in the analysis and interpretation of collected data.
5. Apply the rules established in the structuring, writing and literature of the final work.
6. Disseminate scientific work by community posters and academic papers for scientific meetings and / or journals.

#### Prerequisites

Not applicable

#### Course contents

Literature review. Research instruments and collection of qualitative and quantitative information. Ethical standards in research. Analysis of qualitative and quantitative data. Norms for writing the final paper. Structuring and writing of academic papers.

#### Course contents (extended version)

1. Literature review: research strategies, organization and processing of information.
2. Creation and critical analysis of tools and collection of qualitative and quantitative information.
3. Application of ethical norms to concrete situations of research.
4. Qualitative and quantitative analysis of data collected in the research process.
5. Rules for the drafting of the final work.
6. Structuring and writing academic papers (posters, communications, articles).

#### Recommended reading

1. Averdado, F. (2021). Animarse a la tesis: Apuntes (INVESTIGACION - COMO DESARROLLARLA SU METODOLOGIA Y ANALISIS). Ariel Publisher.
2. Azevedo, M. (2021). Teses, Relatórios e Trabalhos Escolares. Sugestões para estruturação da escrita segundo Bolonha (10ª edição). Universidade Católica Editora.
3. Cohen, L. , Manion, L. , & Morrison, K. (2017). Research Methods in Education (8th ed.). Routledge
4. Coutinho, C. (2018). Metodologia de Investigação em Ciências Sociais e Humanas: Teoria e Prática. Almedina.
5. Morgado, J. (2022). O Estudo de Caso na Investigação em Educação (5ª edição). De Facto Editores.

#### Teaching and learning methods

Conducting research go along in different databases of information. Critical analysis of research instruments. Group meetings or individual to begin the analysis of the data collected. Analysis and group discussion of the rules for writing. Analysis of the structure of good practice with posters and scientific articles and presentation of papers.

#### Assessment methods

- Continuous evaluation. - (Regular, Student Worker) (Final, Supplementary, Special)
  - Practical Work - 20% (Realization of individual and group activities.)
  - Reports and Guides - 80% (Preparation of individual required products.)

#### Language of instruction

Portuguese

#### Electronic validation

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