

| | | | | | |
|------------------|---------------------|---------------|----------------|----------------------|------|
| Course Unit | Seminar Support | | Field of study | Educational Sciences | |
| Master in | Science Education | | School | School of Education | |
| Academic Year | 2020/2021 | Year of study | 2 | Level | 2-2 |
| Type | Semestral | Semester | 1 | ECTS credits | 10.0 |
| Code | 5016-627-2101-00-20 | | | | |
| Workload (hours) | 270 | Contact hours | T - | TP - | PL - |
| | | | TC - | S 60 | E - |
| | | | OT 30 | 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) Delmina Maria Pires, Paulo Miguel Mafra Gonçalves

Learning outcomes and competences

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

1. Analyze critically problems, data, and results of recent research in education and reflect on them.
2. Using different sources of documentation for writing the research work.
3. Set scientifically relevant issues, taking into account different lines of investigation in the context of science education.
4. Propose, plan and develop research appropriate to the defined problems.
5. Organize quotes and recent bibliographies and second rules.
6. Identify constraints inherent to the investigative process and discuss procedures to be developed in the course of research activities.
7. Present to scientific community, and discuss, the research results.

Prerequisites

Before the course unit the learner is expected to be able to:
No pre-requisitos.

Course contents

Some content to be considered in course are not pre-defined, depends on investigative interests of students. However at the beginning of the course, will be analyzed and discussed the results of some recent investigations, with the sense of helping students prepare their research proposals. Will be also discussed some constraints of the investigative process and procedures developed during research activities.

Course contents (extended version)

1. The collection of information:
 - Sources of information and documentation;
 - Lines of research in education in sciences;
 - Organizational rules of citations and bibliographies;
 - Originality of research.
2. Preparation of research:
 - Work plan of the dissertation/project work summary;
 - Work plan of the dissertation/project work detailed;
 - Writing a research paper;
 - Constraints inherent in the investigative process.
3. Presentation and dissemination of results:
 - Structure of the paper;
 - Structure of an oral presentation/communication;
 - Posters organization.

Recommended reading

1. Arnoldi, M. , & Couto, R. (2006). A Entrevista na Pesquisa Qualitativa: Mecanismos para Validação dos Resultados. Belo Horizonte: Autêntica.
2. Coutinho, C. (2011). Metodologias da Investigação em Ciências Sociais e Humanas: Teoria e Prática. Coimbra: Edições Almedina, S. A.
3. Hill, M. , & Hill, A. (2008). Investigação por Questionário. Lisboa: Edições Sílabo.
4. Lima, J. , & Pacheco, J. (2006). Fazer Investigação - Contributos para a elaboração de dissertações e teses. Porto: Porto Editora.
5. Pardal, L. , & Lopes, E. (2011). Métodos e técnicas de investigação social. Porto: Areal Editores.

Teaching and learning methods

Discussion of research topics in large group. Presentation of work done by students (discussion, analysis and reflection). Orientation of individual students in developing research proposals.

Assessment methods

1. Continuous evaluation - (Regular, Student Worker) (Final)
 - Work Discussion - 50% (Discussion of scientific papers related to the themes of final works (group work).)
 - Presentations - 50% (Discussion of the pre-draft final work (thesis /project work) (individual).)
2. Exam evaluation - (Regular, Student Worker) (Supplementary, Special)
 - Presentations - 50% (Reformulation of the pre-draft of thesis/project work.)
 - Work Discussion - 50% (It concerns the Work Group (continuous evaluation).)

Language of instruction

Portuguese

Electronic validation

| | | | |
|---|------------------------------|---------------------|---------------------------------|
| Delmina Maria Pires, Paulo Miguel Mafra Gonçalves | Paulo Miguel Mafra Gonçalves | Delmina Maria Pires | António Francisco Ribeiro Alves |
| 02-11-2020 | 03-11-2020 | 03-11-2020 | 03-11-2020 |