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|------------------|--|---------------|----------------|----------------------|------|
| Course Unit      | Research Methodology in Social Education |               | Field of study | Educational Sciences |      |
| Bachelor in      | Social Education                         |               | School         | School of Education  |      |
| Academic Year    | 2023/2024                                | Year of study | 1              | Level                | 1-1  |
| Type             | Annual                                   | Semester      | -              | ECTS credits         | 7.0  |
| Code             | 9084-628-1002-00-23                      |               |                |                      |      |
| Workload (hours) | 189                                      | Contact hours | T -            | TP 63                | PL - |
|                  |  |               | TC -           | S -                  | E -  |
|                  |  |               | OT 18          | 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) Sofia Marisa Alves Bergano

#### Learning outcomes and competences

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

1. To characterize the scientific knowledge and distinguish it from other ways of knowing or interpreting reality
2. To identify the characteristics and specificities of the different methodological approaches
3. To classify the nature of the variables and understand their impact on the decisions and conduct of research projects
4. To critically interpret research results and to identify their limitations
5. To write academic papers applying formal rules

#### Prerequisites

Before the course unit the learner is expected to be able to:  
Not applicable.

#### Course contents

1. Scientific knowledge: features and relationship with other forms of knowledge
2. The diversity of methodological approaches
3. From the nature of the variables to the construction/selection of data collection instruments
4. Treatment and presentation of quantitative and qualitative data
5. Questions of validity of the investigations
6. The rules for writing scientific papers

#### Course contents (extended version)

1. Scientific knowledge: features and relationship with other forms of knowledge
2. The diversity of methodological approaches
  - Quantitative Research
  - Qualitative Research
  - Mixed Methods Research
3. From the nature of the variables to the construction/selection of data collection instruments
  - Questionnaires
  - Scales or inventories
  - Interviews
  - Document analysis
4. Treatment and presentation of quantitative and qualitative data
  - The organization and presentation
  - The interpretation and discussion
5. Questions of validity of the investigations
6. The rules for writing scientific papers

#### Recommended reading

1. Amado, J. (2017) (Coord. ). Manual de Investigação qualitativa em Educação (3.ª ed. ). Imprensa da Universidade de Coimbra.
2. Creswell, J. (2014). Research design: Qualitative, quantitative, and mixed methods approaches (4th ed. ). SAGE Publication Ltd.
3. Denzin, N. K. , & Lincoln, Y. S. (Eds. ). (2018). The Sage handbook of qualitative research (5th ed. ). Sage.
4. Flick, U. (2018). Designing qualitative research. Sage.
5. Naranjo, E. , & Ramos , S. (2014). Metodologia da investigação científica. Escolar Editora.

#### Teaching and learning methods

The teaching methodologies mobilized for the lecturing of this course is the expository lecture, but mostly methodologies that facilitate the development of practical application skills of the content and problem solving, in this sense we will use the demonstrative method and the realization of worksheets, resolution of organizational exercises and manipulating data of different natures.

#### Assessment methods

1. Continuous Assessment - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 70% (Two summary written test at the end of each semester. The media of both scores is reduce to 70%.)
  - Development Topics - 30% (Group work presented and discussed (by all members of the group) in class.)
2. Resource and special assessment - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100% (Written test of knowledge evaluation.)

#### Language of instruction

Portuguese, with additional English support for foreign students.

#### Electronic validation

|                            |                      |  |                              |
|----------------------------|----------------------|--|------------------------------|
| Sofia Marisa Alves Bergano | Maria do Céu Ribeiro | Graça Margarida Medeiros Teixeira e Santos | Carlos Manuel Costa Teixeira |
| 19-02-2024                 | 19-02-2024           | 19-02-2024                                 | 20-02-2024                   |