

**Research in Education II: Methodologies and
Research and Innovation Techniques**

Code: 45004
ECTS Credits: 9

Degree	Type	Year	Semester
4313815 Research in Education	OB	0	A

Contact

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Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject. Please note that this information is provisional until 30 November 2023.

Teachers

María Lourdes Martínez Mínguez

Laura Arnau Sabates

Prerequisites

This is a mandatory module in the master's programme

Objectives and Contextualisation

This module seeks to introduce students in the methodology of research in education

Specific cognitive objectives:

- Know the basic components and processes of an educational research.
- Know the theoretical-practical implications of the research
- Know the main methodologies and research methods in education
- Know the main techniques of information production

Specific procedural objectives

- Analyze the methodological context of the educational research
- Identify the elements or components involved in educational research design
- Recognize different procedures and methods of educational research
- Document the research methodologies and methods. Design techniques for collecting and producing information.

Specific attitudinal objectives

- Recognize the work of others and respect intellectual property
- Respect the ethical principles of the research process

Learning Outcomes

1. CA04 (Competence) Apply criteria of methodological quality to the different phases of the research.
2. CA05 (Competence) Assess the social, economic and environmental impact of education research.
3. KA02 (Knowledge) Understand and appreciate the ethical principles of education research.
4. KA03 (Knowledge) Understand and compare the paradigms, approaches and methodological designs of education research.
5. KA04 (Knowledge) Identify education research problems that can be addressed through education research.
6. SA02 (Skill) Prepare a design and select a methodology that are consistent with the research goals and questions.
7. SA03 (Skill) Develop techniques and data collection instruments depending on the nature of the data and the sources of information.
8. SA04 (Skill) Select the type of communication based on the recipients.

Content

1. Methods and designs of research in education
 - 1.1. Quantitative research
 - 1.2. Qualitative research
 - 1.3. Other methods: design based research and evaluation research
2. Instruments and strategies to collect information
 - 2.1. Type of instruments: observation, interviews and questionnaires
 - 2.2. Design, development and validation of the instruments

Methodology

The teaching methodology will be based on the following dynamics:

- Lectures
- Reading of research articles
- Analysis and discussion of research articles
- Exercises to practice in class
- Oral presentations
- Tutorials

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires

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Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Analysis and discussion of the articles	7.5	0.3	CA04, CA05, KA02, KA03, KA04, SA02, SA03, CA04
Exercise to practice in class	10	0.4	CA04, KA04, SA02, SA03, CA04
Master classes / expositions	60	2.4	CA05, KA02, KA03, KA04, CA05
Oral Presentation	7.5	0.3	CA04, CA05, KA02, SA02, SA03, SA04, CA04
Type: Supervised			
Tutorials	55	2.2	CA04, CA05, KA02, KA04, SA02, SA03, SA04, CA04
Type: Autonomous			
Individual work and assignments	60	2.4	CA04, KA02, KA04, SA02, SA03, SA04, CA04
Reeding of articles	25	1	CA05, KA02, KA04, SA02, SA03, CA05

Assessment

The evaluation of the module will be carried out through the activities indicated.

The final grade will be the weighted average of the planned activities. In

The review procedure of the tests will be carried out individually.

Class attendance is mandatory. In order to obtain a positive final evaluati

If a student accepts the single evaluation modality, they will have to present a portfolio with the set of evidence established as evaluation

The delivery of this portfolio will take place in the Moodle classroom on the scheduled date for the delivery of the

The oral presentation of the research project will take place during the two sessions prior to the completion of Mo

The recovery of the Final Project of the Module and/or any classroom activity (for students undergoing continuous assessment) or the Portfolio (for students undergoing single assessment) is expected to be carried out within a maximum period of one month after the completion of the module. The oral presentation (whether it is part of continuous assessment or single assessment) will not be recoverable.

Copying or plagiarism in any type of assessment activity constitutes a crime, and will be penalized with a 0 as a grade.

A work, activity or exam will be considered "copied" when it reproduces all or a significant part of the work of another student.

A work or activity will be considered "plagiarized" when a part of an author's text is presented as one's own without proper citation.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Activities and classroom exercises	20%	0	0	CA04, CA05, KA02, KA03, KA04, SA02, SA03
Attendance and participation	10%	0	0	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04
Individual Final Module Work	40%	0	0	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04
Presentation and follow-up work	30%	0	0	CA04, CA05, KA02, KA04, SA02, SA03, SA04

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Software

This module does not need a specific software