UAB
Universitat Autònoma de Barcelona

Research in Education II: Methodologies and Research and Innovation Techniques

Code: 45004
ECTS Credits: 9

2025/2026

Degree	Type	Year
Research in Education	OB	1

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Teaching groups languages

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document.

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 reserach.
- 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 and educational innovation: ex post facto, experimental, quasi-experimental, correlational, and descriptive.

1.2. Qualitative research and educational innovation: phenomenological research, ethnographic research, case study, and participatory action research.

1.3. Contributions of mixed methods research to educational innovation.

1.4. 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.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Analysis and discussion of the articles	7	0.28	CA05, KA02, KA03, KA04, SA04, CA05
Exercise to practice in class	10	0.4	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04, CA04

Master classes / expositions	30	1.2	CA05, KA02, KA03, KA04, SA02, SA04, CA05
Oral Presentation	7	0.28	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04, CA04
Type: Supervised			
Tutorials	30	1.2	SA02, SA03, SA02
Type: Autonomous			
Individual work and assignments	100	4	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04, CA04
Reading articles	41	1.64	CA05, KA02, KA03, KA04, CA05

The teaching methodology will be carried out using an RBL (Research-Based Learning) methodology on the following dynamics:

- Lectures
- Reading of research articles
- Analysis and discussion of research articles
- Classroom practices applying a feminist and intersectional research approach.
- Study and resolution of problems and practical cases.
- Oral presentations
- Tutorials

Efforts will be made to incorporate gender and inclusion perspectives into the course, in accordance with current institutional guidelines.

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.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Active participation in class (individual)	10%	0	0	CA04, CA05, KA02, KA03, KA04, SA04
Classroom activities and final work M2 (individual & group)	20% - 40% per assignment up to 60%	0	0	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04
Oral Presentation and follow-up of final work M2 (individual)	30%	0	0	CA04, CA05, KA02, KA03, KA04, SA02, SA03, SA04

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

The final grade will be the weighted average of the planned activities. In order to apply this criterion it will be necessary to obtain at least a 4 in all activities.

Class attendance is mandatory, and must be at least 80%.

The oral presentation of the research project will take place prior to the completion of module. The submission of the Final Project will be done via Moodle once the module is completed.

The rest of the classroom activities will be distributed throughout the entire module, with scheduled start and submission dates; these dates will be provided in the course programme, which will be made available on the first day of class.

If a student opts for the single evaluation mode, the evaluation date will be on the final day of the module. In addition to completing the follow-up and oral presentation, the student must submit, via Moodle, a portfolio with the set of evidence established as evaluation activities that will also be submitted on the final day of the module.

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 maximum score that can be obtained for the failed part will be 6. In order to participate, the teacher may require a minimum prior grade of 3.5. The oral presentation (whether it is part of continuous assessment or single assessment) will not be recoverable.

The return and follow-up of the activities that are part of the qualification will be given in less than 20 days. The student who wants to review the mark must do so within 15 days of its publication in the tutoring schedulethat theteaching staff has established for this subject and that is part of the program of this module.

If the student has not been able to provide sufficient assessment evidence (less than one third), the grade *not assessable* will appear in the course record.

In this course, the use of Artificial Intelligence (AI) technologies is allowed as an integral part of the work development, provided that the final result reflects a significant contribution from the student in terms of personal analysis and reflection. The student must clearly identify which parts were generated using AI technology, specify the tools used, and include a critical reflection on how these tools influenced both the process and the final outcome of the activity. Lack of transparency regarding the use of AI will be considered academic dishonesty and may result in a penalty in the activity's grade or more severe sanctions in serious cases.

Copying or plagiarism in any type of assessment activity constitutes a crime, and will be penalized with a 0 as a grade for the subject losing the possibility of recovering it, whether it is an individual or group work (in this case, all members of the group will have a 0).

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

A work or activity will be considered "plagiarized" when a part of an author's text is presented as one's own without citing the sources, regardless of whether the original sources are on paper or in digital format.

It's necessary for the student to show a good general communicative competence, both orally and in writing, and a good command of the vehicular language or languages that appear in the teaching guide. Therefore, in all activities (individual or in group), linguistic correction, writing and formal aspects of presentation will be taken into account. Students must beable to express themselves fluentlyandcorrectly and must show a high degree of understanding of academic texts. An activity can be returned (not evaluated) or failed if the teaching staff considers that it does not meet these requirements. In addition, before submitting any activity or exam, the student must verify that he or she has correctly written the sources, notes, citations and bibliographic references following the APA regulations.

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Software

This module does not need a specific software

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this link. To consult the language you will need to enter the CODE of the subject.

Name	Group	Language	Semester	Turn
(PAULm) Classroom practices (master)	1	Spanish	annual	afternoon
(PAULm) Classroom practices (master)	2	Spanish	annual	afternoon