

Course Unit	Laboratory of Innovative Methodologies in Education		Field of study	Education Sciences	
Master in	Pedagogical Supervision and Innovation in Education		School	School of Education	
Academic Year	2023/2024	Year of study	1	Level	2-1
Type	Semestral	Semester	1	ECTS credits	6.0
Code	5072-799-1103-00-23				
Workload (hours)	162	Contact hours	T -	TP 15	PL 20
			TC -	S -	E -
			OT 10	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) Elza da Conceição Mesquita, Ilda da Purificação Freire Ribeiro

### Learning outcomes and competences

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

1. Promote the use of innovative practices, methodologies and resources in education.
2. Analyze teaching and learning processes in their different components and stages of completion.
3. Identify opportunities for participation in partnerships and multidisciplinary networks, national and international, oriented to pedagogical innovation.
4. Experiment with new teaching-learning methodologies, based on pedagogical training and the establishment of networks and partnerships between the teaching community.
5. Design and implement projects/activities that favour the use of collaborative, reflective and investigative methodologies.

### Prerequisites

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

### Course contents

1. Pedagogical innovation; 2. Methodologies of teaching and learning; 3. Teaching and learning strategies; 4. Quality of the organization of the educational environment.

### Course contents (extended version)

1. Pedagogical innovation
  - Concept(s) of innovation
  - Understanding the assumptions of pedagogical innovation
  - Integrated model of pedagogical innovation and improvement of learning
2. Methodologies of teaching and learning
  - Methodology of project work
  - Problem-solving based learning
  - Case studies
3. Teaching and learning strategies
  - Cooperative learning strategies
  - Autonomous work strategies
  - Research strategies
4. Quality of the organization of the educational environment
  - Space, materials, and time
  - Processes of interaction and monitoring of students
  - Interdisciplinary collaboration and the creation of synergies in the community
  - Development of laboratories, contexts, and innovative learning methodologies

### Recommended reading

1. Alves, J. M., & Cabral, I. (Orgs.) (2017). Uma outra escola é possível. Faculdade de Educação e Psicologia da Universidade Católica Portuguesa.
2. Cabral, I., & Alves, J. M. (Orgs.) (2018). Inovação pedagógica e mudança educativa. Da teoria à(s) prática(s). Faculdade de Educação e Psicologia da Universidade Católica Portuguesa.
3. Freeman, A., Adams Becker, S., Cummins, M., Davis, A., & Hall Giesinger, C. (2017). NMC/CoSN Horizon Report: 2017 K–12 Edition. The New Media Consortium.
4. Observatorio de Innovación Educativa. (2017). EduTrends. Radar de Innovación Educativa. Editorial Instituto Tecnológico y de Estudios Superiores de Monterrey.
5. Pedró, F. (2018). Tendencias internacionales en innovación educativa: Retos y oportunidades. In F. Rey, & M. Jabonero, M. (Orgs.), Sistemas educativos decentes (pp.71-99). Fundación Santillana.

### Teaching and learning methods

Methodology of participation and discussion; exposition of content, accompanied by concrete examples, with the active participation of students in the sessions; Use of active and participatory methodologies that value student action in the process of building knowledge. Discussion of proposed topics in small groups.

### Assessment methods

- Continuous assessment - (Regular, Student Worker) (Final, Supplementary, Special)
  - Practical Work - 50% (Preparation of group work to be presented and discussed in the class group)
  - Projects - 50% (Individual assessment corresponding to the planning of a project/activity.)

### Language of instruction

1. Portuguese
2. Portuguese, with additional English support for foreign students.

Electronic validation			
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12-01-2024	12-01-2024	15-01-2024	08-02-2024

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