

68595 - Evaluation and teaching innovation and educational research in the specialist area of Industrial Processes

Información del Plan Docente

Academic Year	2018/19
Subject	68595 - Evaluation and teaching innovation and educational research in the specialist area of Industrial Processes
Faculty / School	107 - Facultad de Educación
Degree	368 - University Master's in Professional Development Teaching: Industrial Processes 415 -
ECTS	3.0
Year	XX
Semester	Indeterminate
Subject Type	Compulsory
Module	---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

The student, for passing this subject, should demonstrate the following results ...

- Identify, recognize and apply innovative teaching proposals in the field of matter and curriculum area.
- Analyze the performance of teaching, good practices and counseling, using quality indicators.
- Identify the problems of teaching and learning of the course and curriculum area, develop alternatives and solutions. Specifically, analyze examples of evaluation related to the specialty of Industrial Processes in Professional Training and apply to specific cases involving various approaches
- Recognize and apply methodologies and basic techniques of educational research and evaluation. Being able to design and develop research, innovation and evaluation.
- Documenting, plan and deploy innovative educational goals.

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

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4.1. Methodological overview

The proposed methodology seeks to encourage the student's continued work and focuses on the most practical aspects of teaching innovation.

In the sessions with the whole group, the most theoretical aspects are treated in the form of a master class and are completed with immediate applications: type-problems. The processing of information for the development of the educational innovation-assessment plans by the student is done in the laboratory sessions in which he will learn to apply various techniques and tools simulating a real case.

Both classroom and laboratory sessions will provide the student with the knowledge and skills to carry out different case studies. These cases have been proposed so that each group of students will apply different techniques aligned with the teaching innovation throughout the course of the life cycle of the process assigned to each group at the beginning of the course.

The evaluation is focused on the most practical aspects. It is intended to promote both group work and individual effort, and a plan has been made so that the hours of dedication are balanced each week.

4.2. Learning tasks

The program offered to the student to help him achieve the expected results includes the following activities ...

1. Theoretical classes: Theoretical master's exposition (1 ECTS). Type 1 (in a traditional classroom and with the entire group):
2. Group work: discussion and development of an innovation project, based on a field survey (0.5 ECTS). Type 2 (in the classroom and in small groups)

Cases of educational innovation.

3. Individual practices of design and use of procedures for the identification of the teaching behavior, for its analysis and evaluation, and proposal for its innovation and improvement. (0.4 ECTS). Type 3 (in the laboratory)
4. Tutorials: individual and / or group orientation. (0.1 ECTS)
5. Individual work of review of documentation and bibliography and individual project. (1 ECTS)

4.3. Syllabus

The course will address the following topics:

Topic 1. Teaching innovation in their field.

- Basics: Research, innovation and evaluation.
- Innovation, research and evaluation and improvement processes.
- Innovative proposals of the curriculum: curricular materials of FP

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- Impact of innovation processes in the different agents.
- Design of innovative teaching proposals: strategies design, development and evaluation.
- The learning program throughout the life European projects as a tool for innovation: Leonardo da Vinci, Erasmus, Comenius, Grundtvig, study visits

Topic 2. Teacher behavior and counsellor.

- The Sense of innovation and research in the teaching profession.
- The Role of teachers and the teaching staff in the innovation process.
- The Critical, self-critical and ethics of the teaching profession in innovation processes sense.

Topic 3. Identification of problems concerning the teaching and learning of their specialty.

- Alternative approach and solutions.
- Trouble teaching-learning specialty / field: identification, analysis and solution.
- Development and design of proposed solutions to the problems identified or exposed by third parties.

Topic 4. Methodologies and techniques of educational research and evaluation.

- Methods and techniques of research and innovation: Qualitative, quantitative, research-action.
- Identification data Strategies (observation, interviews, questionnaires ...)
- Preparation of reports.
- Evaluation and analysis of the educational proposal, criteria and evaluation methods for programming and teaching practice.

Topic 5. Design and development of projects of research, innovation and evaluation.

- Design of research projects, innovation and evaluation.
- Teamwork in innovation projects, evaluation and research.
- Understanding quality management models and their application to schools of vocational training.

4.4.Course planning and calendar

4.5.Bibliography and recommended resources