

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

Información del Plan Docente

Academic Year	2017/18
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.Introduction

This course aims that students acquire the concepts, criteria and tools necessary to analyze and participate in processes of educational innovation and educational research in their field, with the aim of continuous improvement of teaching.

Currently teaching innovation and continuous improvement is also important because of the need for change methodologies that are occurring within the European Higher Education Area. It is mainly in the technical teaching move towards what may be called "Learning by doing" (hands-on: contests, course work machines development, including design, machining, etc.). This requires greater involvement (of all) for better learning. It is important to review the relationship between content and cross competencies development as well as specific.

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.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.

**68595 - Evaluation and teaching innovation and
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2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

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

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

5.2.Learning tasks

5.3.Syllabus

Module 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
- 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

Module 2: Teacher behavior and counselor.

- 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.

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

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

Alternative approach and solutions.

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

Module 4: Methodologies and techniques of educational research and evaluation.

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

Module 5: Design and development of projects of research, innovation and evaluation.

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

5.4.Course planning and calendar

5.5.Bibliography and recommended resources