

68592 - Evaluation and teaching innovation and educational research in the specialist area of Mathematics

Información del Plan Docente

Academic Year	2018/19
Subject	68592 - Evaluation and teaching innovation and educational research in the specialist area of Mathematics
Faculty / School	107 - Facultad de Educación
Degree	357 - University Master's in Secondary School Teaching: Mathematics 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, to pass this subject, must demonstrate the following results ...

He/she identifies problems related to the teaching and learning of mathematics and its assessment in Secondary Education and proposes alternatives and solutions.

He/she recognizes innovative teaching proposals in the field of mathematics.

He/she uses methodologies and basic techniques of research and assessment in mathematics education.

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

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

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4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

4.2.Learning tasks

4.3.Syllabus

Analysis of innovative teaching of mathematics: strengths and weaknesses.

The role of the teacher in innovation processes.

Documentary sources of teaching innovation in mathematics.

Research in mathematics didactics: theoretical frameworks and research techniques.

Bibliographical sources.

Description and critical analysis of some research lines for the teaching of mathematics in Secondary Education.

Relations and differences between innovation in teaching mathematics and research in mathematics education.

4.4.Course planning and calendar

4.5.Bibliography and recommended resources