68516 - Curriculum design for specialised subjects: Mathematics, IT and Technology

Información del Plan Docente

Academic Year	2018/19
Subject	68516 - Curriculum design for specialised subjects: Mathematics, IT and Technology
Faculty / School	107 - Facultad de Educación
Degree	357 - University Master's in Secondary School Teaching: Mathematics 358 - University Master's in Secondary School Teaching: Technology and IT 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 ...

To explain the paradigm of learning and the conception of knowledge that advocates the current curriculum of mathematics, and computer science and technology of Secondary Education.

To identify and describe the different elements of the computer science and technology and mathematics secondary education curriculum. He/she must relate the curricular contents of mathematics, and computer science and technology, of the official curriculum with the evaluation criteria, and these with the achievement of the objectives and with the acquisition of the basic competences.

To apply the elements of the curriculum to develop a teaching plan of computer science and technology, and mathematics corresponding to a course of Secondary Education.

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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

4.1.Methodological overview

4.2.Learning tasks

4.3.Syllabus

1. Educational purposes for teaching computer science, mathematics and technology in Secondary Education.

2. Curricular changes: the teaching of computer science, mathematics and technology in the curricula of Secondary Education of the LGE (1970), LOGSE (1991) and LOE (2006).

3. Prescriptive elements of the official curriculum -competences, objectives, contents, methodology and assessment- of IT, mathematics and technology of ESO and Bachillerato, and the correspondence between them.

4. From curricular design to a whole-course teaching plan.

4.4.Course planning and calendar

4.5.Bibliography and recommended resources