

26520 - Didactics: Mathematics

Información del Plan Docente

Academic Year	2016/17
Academic center	107 - Facultad de Educación 202 - Facultad de Ciencias Humanas y de la Educación 301 - Facultad de Ciencias Sociales y Humanas
Degree	302 - Degree in Nursery School Education 301 - Degree in Nursery School Education 303 - Degree in Nursery School Education
ECTS	6.0
Course	2
Period	Half-yearly
Subject Type	Compulsory
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

1. The student rebuilds his/her knowledge about Preschool Mathematics contents by adapting them to the professional needs of teachers.
2. The student accurately uses mathematical language.
3. The student analyses critically didactical situations and resources for the teaching and learning of mathematics in Preschool.
4. The student designs didactical situations for the learning of mathematics in Preschool according to Spanish syllabus.
5. The student assesses the mathematical knowledge of their pupils and notices their learning misunderstandings and errors.

2.2. Introduction

Brief presentation of the subject

"Didáctica de las matemáticas" is the only subject in the degree whose purpose is developing the competences and contents of the subject-matter "Aprendizaje de las matemáticas". Its main goal is the mathematical training of the prospective Preschool teacher, both in the mathematical and didactical aspects of the knowledge. It is taught in the

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second term of the second year of the degree in "Facultad de Ciencias Humanas y de la Educación" (Huesca) and "Facultad de Ciencias Sociales y Humanas" (Teruel). This subject is taught in the first term of the second year of the degree in "Facultad de Educación" (Zaragoza).

Syllabus of the subject

The contents of the subject are organized in the following units.

Unit 1: *Mathematics in Preschool*

Unit 2: *Mathematical logic operations in Preschool*

Unit 3: *Number in Preschool*

Unit 4: *Magnitudes and measurement in Preschool*

Unit 5: *Geometry and spatial reasoning in Preschool*

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

5.2.Learning activities

5.3.Program

5.4.Planning and scheduling

5.5.Bibliography and recommended resources