

**COURSE DATA****Data Subject**

Code	33674
Name	Teaching proposals for mathematics
Cycle	Grade
ECTS Credits	6.0
Academic year	2022 - 2023

Study (s)

Degree	Center	Acad. year	Period
1305 - Degree in Primary School Education	Faculty of Teacher Training	3	First term

Subject-matter

Degree	Subject-matter	Character
1305 - Degree in Primary School Education	18 - Specialist in science and mathematics	Optional

Coordination

Name	Department
PLA CASTELLS, MARTA	85 - Mathematics Education

SUMMARY**English version is not available**

El contenido de esta asignatura está orientado a facilitar que el estudiantado de Magisterio sea competente en la elaboración de diferentes tipos de propuestas de enseñanza y actividades para las clases de matemáticas de Educación Primaria. Para ello se presentarán, analizarán y utilizarán diversos tipos de recursos que pueden ayudar y facilitar el trabajo del docente en el diseño y puesta en práctica de tales propuestas. Además, se pretende inculcar en el estudiantado de Magisterio la necesidad de tener en cuenta en el diseño de las actividades a colectivos diferenciados, tanto para casos con menor nivel madurativo como para el estudiantado de altas capacidades.

En esta asignatura se tendrán en cuenta los conocimientos de matemáticas y didáctica adquiridos en las materias que el estudiantado haya cursado con anterioridad.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

Para el adecuado desarrollo de esta asignatura, el estudiantado tendrá que utilizar los conocimientos matemáticos y didácticos estudiados en asignaturas del área de conocimiento Didáctica de la Matemática cursadas con anterioridad.

OUTCOMES

1305 - Degree in Primary School Education

- Express oneself orally and in writing correctly and appropriately in the official languages of the autonomous region.
- Use information and communication technologies effectively as usual working tools.
- Analyse critically the most relevant issues in today's society that affect family and school education: social and educational impact of audiovisual languages and of screens; changes in gender and inter-gender relations; multicultural and intercultural issues; discrimination and social inclusion, and sustainable development; Also, carry out educational actions aimed at preparing active and democratic citizens, committed to equality, especially between men and women.
- Promote cooperative work and individual work and effort.
- Assume that teaching must be perfected and adapted to scientific, pedagogical and social changes throughout life.
- Know the processes of interaction and communication in the classroom.
- Recognise the identity of each educational stage and their cognitive, psychomotor, communicative, social and affective characteristics.
- Design, plan and evaluate teaching and learning classroom activities in multicultural and co-educational contexts.
- Know how to work as a team with other professionals within and outside the school to attend to each student, to plan the learning sequences and to organise work in the classroom and in the play space.
- Know and apply basic educational research methodologies and techniques and be able to design innovation projects identifying evaluation indicators.
- Understand that systematic observation is a basic tool that can be used to reflect on practice and reality, and to contribute to innovation and improvement in education.
- Identify and plan the resolution of educational situations that affect students with different abilities and different learning rates, and acquire resources to favour their integration.



- Use information and communication technologies as a teaching resource for science and mathematics in the primary school classroom.
- Develop and evaluate teaching proposals mathematics curriculum contents.

LEARNING OUTCOMES**English version is not available****WORKLOAD**

ACTIVITY	Hours	% To be attended
Theoretical and practical classes	60,00	100
Development of group work	90,00	0
TOTAL	150,00	

TEACHING METHODOLOGY**English version is not available****EVALUATION****English version is not available****REFERENCES****Basic**

- Currículum oficial de Matemáticas de Educación Primaria de la Comunidad Valenciana.
- Godino et al. (2004): Didáctica de las matemáticas para maestros. Universidad de Granada. <http://www.ugr.es/~jgodino/fprofesores.htm>
- Segovia, I. y Rico, L. (2011). Matemáticas para maestros de Educación Primaria. Madrid: Editorial Pirámide.
- Ferri, R. B. (2017). Learning how to teach mathematical modeling in school and teacher education. Springer.
- Johnson, D.W., Johnson, R.T. (2015). La evaluación en el aprendizaje cooperativo. Ediciones SM España



Additional

- Manuals escolars o llibres de text.
- Al llarg del curs es proposarà bibliografia adient per als diferents temes

