



DETAILS OF THE SUBJECT

Title (of the subject): DIDÁCTICA DE LAS CIENCIAS NATURALES Y SOCIALES EN EDUCACIÓN INFANTIL

Code: 100758

Degree/Master: GRADO DE EDUCACIÓN INFANTIL

Year: 3

Name of the module to which it belongs: APRENDIZAJE DE LAS CIENCIAS DE LA NATURALEZA, DE LAS CIENCIAS SOCIALES Y DE LAS MATEMÁTICAS

Field: DIDÁCTICA DE LAS CIENCIAS NATURALES Y SOCIALES EN EDUCACIÓN INFANTIL

Character: OBLIGATORIA

Duration: ANUAL

ECTS Credits: 9

Classroom hours: 90

Face-to-face classroom percentage: 40%

Non-contact hours: 135

Online platform:

TEACHER INFORMATION

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Specifics of the subject

REQUIREMENTS AND RECOMMENDATIONS

Prerequisites established in the study plan

None.

Recommendations

None specified.

SKILLS

- CE1 To know the objectives, curriculum contents and assessment criteria of the Nursery Education.
- CE2 To promote and make easier the learning in early childhood, from a globaliser and integrative point of view of the different cognitive, emotional, psychomotor and volitional dimensions.
- CE3 To design and regulate learning spaces in contexts of diversity which deal with the singular educational needs of students, gender equality, equity and respect for Human Rights.
- CE4 To foment harmonious relationships inside and outside the classroom and to tackle conflict resolution in a peaceful way. To know how to systematically observe apprenticeship and coexistence contexts as well as to reflect about them.
- CE7 To know the educational implications of the new information and communication technologies and, specifically, of television in early childhood.
- CE8 To know principles of child nutrition and hygiene. To know principles of early childhood intervention and the foundations and developments that lead to a better understanding of psychological, learning and personality construction processes in early childhood.
- CE11 To think about the practices in the classroom in order to innovate and improve the educational work. To acquire habits and skills for the autonomous and cooperative learning and to promote it with students.
- CE13 To create an updated view of the natural and social world.
- CM8.1 To know the scientific, mathematical and technological basis of the curriculum of this stage as well as the theories about the acquisition and development of the corresponding learning.
- CM8.2 To know the teaching strategies to develop numerical representations and spatial, geometric and logical development notions.
- CM8.4 To know the scientific methodology and to promote scientific thinking and experimentation.
- CM8.5 To acquire knowledge about the evolution of thought, customs, beliefs and social and political movements throughout history.
- CM8.6 To know the most important moments in the history of science and techniques and its significance.
- CM8.7 To develop educational proposals concerning scientific interaction, techniques, society and sustainable development.
- CM8.8 To promote the interest and respect for the natural, social and cultural environment through the appropriate didactic projects.
- CM8.9 To promote introductory experiences to the information and communication technologies.

OBJECTIVES

To know and analyse the official curriculum of Early Childhood Education as a model for the design of units of work in class lessons.

To use students' knowledge in the process of teaching-learning as an essential element, paying attention to a constructivist teaching with an active, participative and creative methodology.

To reflect about the potentiality of the contents of Natural and Social Sciences, as guides to other curriculum areas and its close relationship with the transverse matters.

To develop skills and abilities to work as a team in order to promote the interchange of knowledge between future teachers.

To acquire skills and abilities related to the search, analysis and treatment of the information, including bibliographical and technological resources assessing the contribution to a better quality of life.

To develop proposals of action (didactic units) in the corresponding areas of contents.

To acquire and promote positive attitudes for the teaching of Natural and Social Sciences in Early Childhood

Education.

To know, elaborate and use appropriate didactic resources for Natural and Social Sciences teaching and to be able to apply procedures and suitable activities to learning situations.

To acquire skills and abilities for the professional development of the student.

CONTENT

1. Theory contents

Block 1: Natural and Social Sciences: scientific fundaments and interrelations.

Block 2: Natural and Social Sciences learning. Learning fundaments in Early Childhood Education.

Block 3: Didactic Contents, Activities and Aspects for class work.

2. Practical contents

Realization of didactic resources related to the planned Thematic Units.

Study and comment about basic documents.

Elaboration, exposition and debate of themes related to the matter.

METHODOLOGY

General clarifications on the methodology. (optional)

1. The previous knowledge of the students about facts and phenomena related with the natural, social and cultural environment will be taken into account. Student participation will be promoted in order to favour the development of its critical and creative ability.
2. The role of the teacher will be essentially to introduce and systematize the different matters to develop in class, as well as to guide the different works and activities that students will generate.
3. Individual work and group work will be alternated depending on the activities proposed, as well as activities out of the class.
4. Part time students must contact with the lecturer of the subject in order to specify an alternative personal design, which will include the theoretical study of the documentation provided in the subject, the elaboration of the activities proposed and the realization of a report.

Methodological adaptations for part-time students and students with disabilities and special educational needs

Face-to-face activities

Activity	Large group	Medium group	Total
<i>Assessment activities</i>	6	-	6
<i>Conference</i>	1	-	1
<i>Debates</i>	3	-	3
<i>Excursions</i>	-	4	4
<i>Group presentation</i>	-	10	10
<i>Group work (cooperative)</i>	-	16	16
<i>Lectures</i>	40	-	40
<i>Text analysis</i>	5	-	5
<i>Text commentary</i>	5	-	5
Total hours:	60	30	90

Not on-site activities

Actividad	Total
<i>Analysis</i>	5
<i>Bibliographic consultations</i>	10
<i>Exercises</i>	5
<i>Finding information</i>	15
<i>Group work</i>	20
<i>Problems</i>	10
<i>Self-study</i>	70
Total hours:	135

WORK MATERIALS FOR STUDENTS

Practical cases and examples
 Internship notebook
 Exercises and problems

EVALUATION

Skills	Tools		
	Attendance sheets	Final exam	Group work
CE1		X	X
CE11			X
CE13	X		X
CE2	X	X	X
CE3	X		X
CE4			X
CE7	X	X	X
CE8		X	X
CM8.1	X	X	X
CM8.2		X	X
CM8.4		X	X
CM8.5		X	X
CM8.6	X	X	X
CM8.7			X
CM8.8		X	X
CM8.9			X
Total (100%)	10%	50%	40%
Minimum grade.(*)	8	5	5

(*) Minimum grade necessary to pass the subject

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

It is necessary to pass each compulsory test and work to pass the subject.

Part-time students should pass every section of the subject, according to their personalized proposal .

It is necessary a minimum mark of 5/10 each four-month period to eliminate matter.

The valid period will be until the July call of exams of the same course in which activities have been done.

December call of exams will consist of an exam with theoretical and practical contents, which only could be passed with a minimum mark of 5/10.

Qualifying criteria for obtaining honors: *En aplicación de la normativa UCO. A partir de la calificación de 9.5, si existen varios alumnos, los de mayor calificación.*

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2. Further reading:

None.

COORDINATION CRITERIA

- Common evaluation criteria
- Selection of common competencies

SCHEDULE

Period	Activity								
	Assessment activities	Conference	Debates	Excursions	Group presentation	Group work (cooperative)	Lectures	Text analysis	Text commentary
1# Fortnight	0	0	0	0	0	0	2	0	0
2# Fortnight	0	0	0	0	2	4	2	1	0
3# Fortnight	0	0	0	4	2	0	4	0	1
4# Fortnight	0	0	0	0	1	4	4	1	0
5# Fortnight	0	0	1	0	0	0	4	0	1
6# Fortnight	0	1	0	0	0	0	2	0	0
7# Fortnight	2	0	0	0	0	4	4	1	0
8# Fortnight	0	0	1	0	0	0	2	0	1
9# Fortnight	0	0	0	0	2	0	2	1	0
10# Fortnight	0	0	1	0	2	4	4	0	1
11# Fortnight	0	0	0	0	1	0	4	1	0
12# Fortnight	0	0	0	0	0	0	4	0	1
13# Fortnight	2	0	0	0	0	0	2	0	0
14# Fortnight	2	0	0	0	0	0	0	0	0
Total hours:	6	1	3	4	10	16	40	5	5