

Syllabus Information

Academic Year: 2021/22

Subject: 63244 -

Faculty / School: 107 - Facultad de Educación

Degree: 584 -

596 -

ECTS: 8.0

Year: 1

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning process that has been designed for this subject is based on the following:
The development of the subject will include lecture sessions, active learning methodologies, v
In general, it is intended that the subject is developed in a way:

- Practice
- Participatory
- Cooperative-collaborative
- Criticism
- Reflective
- Creative

4.2. Learning tasks

The program offered to the student to help him achieve the expected results comprises the following activities ...

- Theoretical expositions
- Practical work in Physics and Chemistry classes
- Reflection activities in small and large groups
- Preparation of individual reports
- Group elaboration of some of the design and planning tasks
- Preparation of the didactic project
- Presentations of both individual and group work

The sessions will be face-to-face and will be held in a computer room, in the laboratory or th

appropriate visits to other centers:

The organization of conferences or seminars with invited speakers that facilitate the acquisit

the competences of the subject will be considered.

Formative Activity	N° Hours	% Presence
Master Classes	30	100%
Practice classes (Laboratory+ specials)	30 (20+ 2*5)	100%
Guided work	16	10%
Problem solving	20	100%
Evaluation Test	3	100%

4.3. Syllabus

The contents are structured around three blocks:

? Paradigms of the didactics of experimental sciences and their practical application: Conceptions about learning the contents of physics and chemistry. Characteristics of scientific thinking in adolescence. Didactic transposition of the contents of physics and chemistry raised from the educational needs of diverse students: Other approaches such as CTS (Science, Technology and Society) and perspectives, such as gender.

- Didactic Content Knowledge from a reflective practice of the teaching profession. Importance of practical work and real examples of good teaching practices. Use of a methodology for the design and planning of learning activities focused on the training needs of students, in the development of activities and in the creation of situations that promote learning.

4.4. Course planning and calendar

The sessions are carried out during the second semester, at times and in classrooms that will be specified in due course on the centre's website. The practical classes take place both in the laboratory and in outings to spaces of didactic interest. The assessable activities that must be reflected in the individual portfolio must be delivered within the deadlines agreed between the teaching staff and the students. In any case, the completed portfolios will be delivered during the week prior to the end of the classes. The date and time of the global test will be announced in advance through the website of the centre. The ADD. Other details will be specified throughout the subject and will be announced both in the face-to-face sessions and through the subject's website in the ADD.

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=63244&Identificador=C71850>