

Academic Year/course: 2022/23

26631 - Didactics: Biological and Geological Media

Syllabus Information

Academic Year: 2022/23

Subject: 26631 - Didactics: Biological and Geological Media

Faculty / School: 107 - Facultad de Educación

202 - Facultad de Ciencias Humanas y de la Educación

301 - Facultad de Ciencias Sociales y Humanas

Degree: 298 - Degree in Primary School Education

299 - Degree in Primary School Education

300 - Degree in Primary School Education

ECTS: 6.0

Year: 3

Semester: Second semester

Subject Type: Compulsory

Module:

1. General information

2. Learning goals

2.2. Learning goals

Learning to be achieved after the course:

- 1: The student has got basic knowledge about biological and geological aspects and its translation to Primary education
- 2: The student can relate the basis of the scientific knowledge included in the Primary education curriculum as well as the learning theories about their acquisition
- 3: The student can write reports about the experimental science activities carried out
- 4: The student can argue using scientific and didactic reasons during the meetings and debates about present science issues organized by teachers
- 5: The student shows communicative skills and is able to use appropriate reasons and tools in the teaching situations emerging during the theoretical and practical sessions of the subject
- 6: The student can design and show teaching sequences which are suitable for the corresponding level at Primary school and include the ideas and tools learned along the theoretical and practical sessions

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning process designed for this course is based on:

- Practice
- Participation
- Cooperation-collaboration
- Criticism
- Reflectiveness

4.2. Learning tasks

The program offered to the student to help them to achieve the expected results includes the following activities:

1. Theoretical classes performed by the teaching staff and collaborators. Visits and conferences outside the center.
2. Experimental and research work both, in the laboratory and outdoors, from the perspective of Biology and/or Geology.
3. Reflective activities in small and large groups.
4. Writing individual and group reports.
5. Group elaboration of some design and planning tasks.
6. Presentation of both individual and group reports.

4.3. Syllabus

Course program:

- Biological and geological contents of the Primary Education curriculum and their contribution to educational competencies.
- Biological and geological contents relevant to Primary Education. Specific difficulties in teaching and learning these contents.
- Experimental activities in Biology and Geology, fieldtrips and outdoor activities in Primary Education.
- Analysis, planning and design of learning sequences on biological and geological aspects.
- Discussion on current scientific issues related to biological and geological aspects.

4.4. Course planning and calendar

Calendar of classroom sessions and reports presentation:

The tasks for evaluation and their deadlines will be communicated to students through paper copy or through the ADD teaching virtual platform during the first week of the semester

The dates of the final tests can be found on the website of the corresponding center.

4.5. Bibliography and recommended resources

Available at the library's website:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26631>