

61262 - Archaeometry

Syllabus Information

Academic year: 2024/25

Subject: 61262 - Archaeometry

Faculty / School: 103 - Facultad de Filosofía y Letras

Degree: 553 - Master's in the Ancient World and Archaeological Heritage

ECTS: 4.0

Year: 1

Semester: Second semester

Subject type: Optional

Module:

1. General information

The optional subject (S1) belongs to the "Archaeological Heritage" module and deals with the study and application of archaeometry as a discipline, as well as its methods and techniques, whose objective is the characterization and dating of archaeological objects and remains. It is divided into two blocks: prehistory and the classical world, focusing on the teaching of skills to recognize, analyze, classify, date and interpret archaeological materials as historical sources. It is recommended that students have prior training on its contents.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDG) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the results of subject learning provides training and competence to contribute somewhat to its achievement. Objectives: 4, 5, 10, 16 and 17.

The course offers the possibility of internal extracurricular internships in campaigns of archaeological component.

2. Learning results

Block I

1. Archaeometry: definition, origin and current applications.
2. Radiometric dating: radiocarbon, OSL, U/Th and TL
3. Analysis of stable isotopes: paleoclimatic reconstructions, diets and mobility.
4. Physical-chemical analysis of materials, especially in manufactured ceramics: characterization of pigments. Petrographic/petrochemical analysis, ZooMS and aDNA
5. Modeling in Prehistory through ceramics.

Block II. The ceramics of the classical world

1. Artists or Artisans?
2. From the lathe to the mould.
3. Commerce: commercialization in republican and altoimperial times.
4. Ceramics: privileged ideological support.
5. Morphology of ceramics in the classical world.
6. Classification systems and typologies.

3. Syllabus

Block I

1. Archaeometry: definition, origin and current applications.
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4. Academic activities

Theoretical classes, practices, seminars, individual or group work supervised by the professor on certain aspects of Archeology in Ancient Hispania. These activities will be complemented with external practices in archaeological sites, external practices in museums, attendance at conferences and seminars related to the content of the program.

5. Assessment system

FIRST CALL

a) Continuous Assessment Test:

- 1) Participation in debates and colloquiums on specific aspects of ceramic archaeometry in theoretical classes and practical assistance. 20% of the qualification
- 2) Carrying out the care practices, individually or in groups, under the supervision of a teacher will constitute 40% of the grade.
- 3) Carrying out tutored, individual work, which will be presented in class. 40% of the grade.

b) Comprehensive Assessment Test (to be carried out on the date set in the academic calendar):

1. Written test on the theoretical contents that appear in the course program and recommended bibliography. 60% of the grade.
2. Making classification sheets for ceramic fragments or containers, in which the student applies the knowledge of the theoretical and practical contents acquired. 40% of the final mark.

SECOND CALL (to be carried out on the date set in the academic calendar). The system and criteria of the global evaluation test of the first call are repeated.

In all cases and calls, the clarity, coherence and originality of the approach will be valued, as well as the critical contributions derived from a bibliographic review. The use of specialized terminology at the level of advanced studies will be valued, as well as the appropriate presentation and writing.

6. Sustainable Development Goals

- 4 - Quality Education
- 5 - Gender Equality
- 10 - Reduction of Inequalities