

61261 - Landscape Archaeology

Información del Plan Docente

Academic Year	2017/18
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	First semester
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

See "Learning activities" and "Syllabus".

More information will be provided on the first day of class.

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5.2. Learning tasks

- Theoretical lectures.
- Practical lectures.
- Individual work.
- Personal study.
- Assessment activities.

5.3. Syllabus

The course will address the following topics:

Section I: Paleoenvironment: techniques of landscape reconstruction

Topic 1. The environment in the past. Characteristics and environmental transformations during the Quaternary.

- Terminological issues.
- The environment as a System.
- Reconstruction strategies.
- Climate research at a global level.

Topic 2. Reconstruction of the landscape and the relief: Geomorphology / Geoarchaeology.

- Terminological issues: geomorphology and geoarchaeology.
- Morphoclimatic systems and climate-process relationships.
- Human impact on the landscape and the relief.

Topic 3. Vegetal environment reconstruction: Palaeobotany / Archaeobotany.

- General issues: terminology, objectives, problems ...
- Microbotanical remains: analysis of pollen, phytoliths, diatoms ...
- Macrobotanical remains: seeds and fruits, coals ...
- Most relevant taxa.

Topic 4. Animal environment reconstruction: Paleontology / Archaeozoology.

- General issues: terminology, objectives, problems
- Invertebrates: Foraminifera, mollusks and insects.
- Vertebrates I: fish, amphibians and reptiles, birds.
- Vertebrates II: Mammals (micro and macro faunas)
- Taphonomical perspective.

Section II: Spatial Archaeology: landscape and territory

Topic 5. Spatial Archaeology: Schools and Theoretical Trends.

- Precedents. The British "field archaeology".
- The Cambridge school and the influence of locational Geography.
- Processual Archaeology.
- Postprocessual and Structuralist Archaeology.
- Marxist Archaeology.
- Current trends and approaches.

Topic 6. Acquisition and processing of archaeological information.

- Archaeological evidence: composition, formation processes and transformation.
- The prospection and its integration into the archaeological work.

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- Data recovery techniques, Interpretation strategies.
- Dating the superficial archaeological material.

Topic 7. Against actualism, alteration of archaeological context.

- Postdepositional processes.
- From the current perspective of the archaeological evidence to its reconstruction.
- Main geomorphological processes and its archaeological incidence.

Topic 8. Analytic strategies for territory study.

- Site Catchment Analysis (SCA).
- Analysis methods of settlement patterns:

Closest neighbor and the breakeven point.

Thiesen polygons.

Central place theory and size range.

Other approaches.

Topic 9. From Landscape Archaeology to Social History.

- Structuralist materialism and its anthropological model.
- Anthropological model of Mediterranean peasantry.

5.4.Course planning and calendar

See the academic calendar of the University of Zaragoza (<http://academico.unizar.es/calendario-academico/calendario>) and the website of the Faculty of Philosophy and Arts (*Schedule of classes*:

<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>; Examination schedule:

<https://fyl.unizar.es/calendario-de-examenes#overlay-context=>)

More information will be provided on the first day of class.

5.5.Bibliography and recommended resources

- Aston, M.. Interpreting the landscape : landscape archaeology in local studies / M. Aston. Londres : Bastford, 1986.
- Issues in environmental archaeology : perspectives on its archaeological and public role : 10th Anniversary conference : Papers / edited by Nicholas Balaam and James Rackham . London : Institute of Archaeology University College London, 1992.
- Arqueología espacial: Revista del seminario de Arqueología y Etnología Turolense / F. Burillo (ed.). Teruel : Seminario de Arqueología y Etnología Turolense, 1984- [Publicación periódica] [Especialmente: Procesos postdeposicionales, Vol. 16-17 (1996); Arqueología del paisaje, Vol. 19-20 (1998); Espacios agrarios, Vol. 26 (2006); Arqueología de la población, Vol. 28 (2010)].
- Butzer, Karl W.. Arqueología, una Ecología del hombre : método y teoría de un enfoque contextual / Karl W. Butzer . Barcelona : Bellaterra, 1989.
- Chaline, Jean. El cuaternario : la historia humana y su entorno / Jean Chaline ; traducción Pilar Cabra . Madrid : Akal, D.L. 1982
- Spatial archaeology / edited by David L. Clarke . London : Academic Press, 1977.
- Conolly, James. Sistemas de información geográfica aplicados a la arqueología / James Conolly y Mark Lake . Barcelona : Bellaterra, [2009].
- García Sanjuan, Leonardo. Introducción al reconocimiento y análisis arqueológico del territorio / Leonardo García Sanjuán ; prólogo de Francisco Burillo Mozota . Barcelona : Ariel, 2005.
- Hodder, Ian. Análisis espacial en arqueología / Ian Hodder y Clive Orton ; traducción castellana de Ma. José Aubet y Montserrat Tenas ; revisión de Francisco Burillo . Barcelona : Editorial Crítica, D.L. 1990.
- Geologie de la Préhistoire : Méthodes, techniques, applications / sous la direction de Jean Claude Miskovsky ; préface de Hubert Curien . Paris : Association pour L' Etude de l' environnement Géologique de la Préhistoire, cop.

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- Renault-Miskovsky, Josette. L'environnement au temps de la Préhistoire : méthodes et modes / Josette Renault-Miskovsky ; préface de H. de Lumley ; publié avec le concours du Centre National des Lettres . Paris [etc.] : Masson, 1986.
- Renfrew, Colin. Arqueología : teorías, métodos y práctica / Colin Renfrew, Paul Bahn. Torrejón de Ardoz (Madrid) : Akal, D.L. 1993.
- Schiffer, M. B.. Formation processes of the archaeological record / M.B. Schiffer. Albuquerque : University of New Mexico Press, 1987.
- Mètodes Científics aplicats a la reconstrucció paleoambiental de la prehistòria. En : Cota zero : revista d'arqueologia i ciència / Centre d'Investigacions Arqueològiques d'Osona . Vic (Barcelona) : EUMO, 1985-2010 [Publicación periódica]. Nº 4 (1988).