

## 61261 - Landscape Archaeology

### Información del Plan Docente

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|------------------------|---|
| <b>Academic Year</b>   | 2016/17   |
| <b>Academic center</b> | 103 - Facultad de Filosofía y Letras                            |
| <b>Degree</b>          | 553 - Master's in the Ancient World and Archaeological Heritage |
| <b>ECTS</b>            | 4.0   |
| <b>Course</b>          | 1   |
| <b>Period</b>          | First semester  |
| <b>Subject Type</b>    | Optional  |
| <b>Module</b>          | ---   |

### **1.Basic info**

#### **1.1.Recommendations to take this course**

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

See "Learning activities " and "Syllabus".

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

#### **5.2.Learning activities**

- Theoretical lectures.
- Practical lectures.
- Individual work.

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- Personal study.
- Assessment activities.

### 5.3.Program

#### Part I: Paleoenvironment: techniques of landscape reconstruction

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.
2. Reconstruction of the landscape and the relief: Geomorphology / Geoarchaeology.
  - Terminological issues: geomorphology and geoarchaeology.
  - Morphoclimatic systems and climate-process relationships.
  - Human impacts on the landscape and the relief.
3. Vegetal environment reconstruction: Palaeobotany / Archaeobotany.
  - General issues: terminology, objectives, problems ...
  - Microbotanical rests: analysis of pollen, phytoliths, diatoms ...
  - Macrobotanical rests: seeds and fruits, coals ...
  - Most relevant taxa.
4. Animal environment reconstruction: Paleontology / Archaeozoology.
  - General issues: terminology, objectives, problems
  - Invertebrates: Foraminifera, mollusks and insects.
  - Vertebrates I: fishes, amphibians and reptiles, birds.
  - Vertebrates II: Mammals (micro and macro faunas)
  - Taphonomical perspective.

#### Part II: Spatial Archaeology: landscape and territory

5. Spatial Archaeology: Schools and Theoretical Trends.
  - Precedents. The British "field archaeology".
  - The Cambridge school and the influence of locational Geography.
  - Processual Archeology.
  - Postprocessual and Structuralist Archeology.
  - Marxist Archeology.
  - Current trends and approaches.
6. Acquisition and processing of archeological information.
  - Archaeological evidence: composition, formation processes and transformation.
  - The prospection and its integration into the archaeological works.
  - Data recovery techniques, Interpretation strategies.
  - Dating the superficial archaeological material.
7. Against actualism, alteration of archeological context.
  - Postdepositional processes.
  - From the current perspective of the archaeological evidence to its reconstruction.

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- Main geomorphological processes and its archaeological incidence.

### 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.

### 9. From Landscape Archeology to Social History.

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

## 5.4.Planning and scheduling

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. 1987.
- O'Connor, T.. Environmental archaeology : principles and methods / T. O'Connor, J.G. Evans. Stroud : Sutton Publishing, 2005
- Renault-Miskovsky, Josette. L'environnement au temps de la Préhistoire : méthodes et modeles / Josette Renault-Miskovsky ; préface de H. de Lumley ; publié avec le concours du Centre National des Lettres . Paris [etc.] :

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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 prehistoria*. En : *Cota zero : revista d'arqueologia i ciència* / Centre d'Investigacions Arqueològiques d'Osona . Vic (Barcelona) : EUMO, 1985-2010 [Publicación periódica]. Nº 4 (1988).