

## 2019/2020

### **Archaeology of Hunting and Gathering Societies**

Code: 100729 ECTS Credits: 6

Degree	Туре	Year	Semester
2500241 Archaeology	ОТ	3	0
2500241 Archaeology	ОТ	4	0

#### Contact

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#### **Teachers**

Rafael Mora Torcal

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# **Prerequisites**

The own that marks the norm of the degree.

# **Objectives and Contextualisation**

Objectives and contextualization

The aim is to approximate the students to the interpretative complexity of hunter-gatherer societies from an archaeological perspective and:

- To reflect on the theoretical and methodological capacity of Archeology.
- To raise awareness among students about the criteria that define the human groups, as well as of the different forms of life in which they are organized.
- To generate a critical view of current knowledge status

# Competences

Archaeology

- Contextualizing and analysing historical processes.
- Developing critical thinking and reasoning and communicating them effectively both in your own and other languages.
- Managing the main methods, techniques and analytic tools in archaeology.
- Providing a context for the concepts of archaeological theory and its origin and distinguishing the main epistemological and methodological debates in social sciences.

# **Use of Languages**

Principal working language: catalan (cat)

Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

- Students must be capable of applying their knowledge to their work or vocation in a professional way
  and they should have building arguments and problem resolution skills within their area of study.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study)
  in order to make statements that reflect social, scientific or ethic relevant issues.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.

## **Learning Outcomes**

- 1. Ability to maintain an appropriate conversation.
- 2. Applying both knowledge and analytical skills to the resolution of problems related to their area of study.
- 3. Applying proper techniques and analytical tools in case studies.
- 4. Autonomously searching, selecting and processing information both from structured sources (databases, bibliographies, specialized magazines) and from across the network.
- 5. Communicating in oral and written form in the studied language, properly using vocabulary and grammar.
- 6. Critically assessing the sources and theoretical models.
- 7. Critically taking part in classroom oral debates and using the discipline's specific vocabulary.
- 8. Effectively expressing themselves and applying the argumentative and textual processes of formal and scientific texts.
- 9. Identifying the characteristic methods of Archaeology and its relationship with the historical analysis.
- 10. Identifying the context of the historical processes.
- 11. Interpreting material sources and the archaeological record.
- 12. Knowing the main archaeological debates on Prehistory.
- 13. Mastering the processes of change produced in Prehistory.
- 14. Mastering the relevant languages to the necessary degree in the professional practice.
- 15. Recognising the importance of controlling the quality of the work's results and its presentation.

## Content

- 1. Key concepts in the study of hunter-gatherer societies. Reflecting on the meaning of the past and the role of Prehistoric Archeology.
- 2. The role of objects, mobility and taxonomies in the compression of hunter-gatherer groups.
- 3. The first hominids. Models of behavior. Milestones in the evolutionary context.
- 4. Identifying lithic objects. General settings
- 5. The concept of humanity.
- 6. The origins of lithic technology.
- 7. The first instruments: The *Lomekwianense* and the Olduvai. The environment and way of life of the first hominis: Powerful hunter or carronyer marginal.
- 8. Meaning of the accumulation of bones and stones.
- 9. H. ergaster / H. erectus and the origin of Achelià in Africa.
- 10. Dynamics of technological change: from Olduvai to Achelià.
- 11. Settlements of the Euro-Asian continent.
- 12. Origin of modern behavior. Middle Stone Age (MSA) and Late Stone Age (LSA) in Africa.
- 13. Environment and culture in the Middle European Paleolithic. The Neanderthal mode of life.
- 14. The Middle Paleolithic transition Upper Paleolithic. The appearance of Homo sapiens sapiens and the problem of the recent Neanderthals.
- 15. Environment and culture in the Upper European Paleolithic. The Homo Sapiens way of life.

## Methodology

Guided activities: 40 hours

Attendance to theoretical classes

Attendance at seminar and internship sessions

Autonomous activities: 90 hours

Self-study:

Preparation of oral presentations

Search of bibliography and reading of texts

Making reviews work and comments.

Supervision of Works: 15 hours

Monitoring of individual and group work

Evaluation: 5 hours

Written and oral tests

Review of the results

Assessment

Students have to actively participate in the discussions that arise in class and in the seminars (5%)

Students will have to submit a group work and present it for class discussion (40%)

To deliver abstracts, reviews, comments on the texts and documents related to the subject topics (55%)

## **Activities**

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Magistral lecture	30	1.2	6, 12, 13, 14, 8, 5, 10, 9, 1, 7
Research seminars	10	0.4	3, 2, 6, 4, 12, 13, 14, 8, 5, 10, 11, 1, 7, 15
Type: Supervised			
work in group and of the individual works writings tutorials	17	0.68	3, 2, 6, 8, 10, 9, 11, 1, 15
Visit to any emblematical archaelogical site (optional)	0	0	2, 12, 13, 10, 9
Type: Autonomous			
Bibliographic research	10	0.4	3, 6, 4, 12, 13, 10, 9, 11
Writting texts and coments	17.5	0.7	2, 4, 12, 8, 10, 9, 11, 15
individual studies	62.5	2.5	3, 2, 6, 4, 12, 13, 10, 9, 11, 15

#### **Assessment**

Assessment

Students have to actively participate in the discussions that arise in class and in the seminars (5%)

Students will have to submit a group work and present it for class discussion (40%)

To deliver abstracts, reviews, comments on the texts and documents related to the subject topics (55%)

#### Re-assessment

Students who have submitted the written work and carried out the programmed practices in the subject will be eligible for re-evaluation.

There will be an oral test on the subject treated in the theoretical classes or seminars.

#### **Assessment Activities**

Title	Weighting	Hours	ECTS	Learning Outcomes
Practical case 1,2 and 3	50	1.5	0.06	3, 2, 6, 4, 12, 13, 14, 8, 5, 10, 9, 11, 1, 7, 15
Practical case 4	30	1.5	0.06	3, 2, 6, 4, 12, 13, 14, 8, 5, 10, 9, 11, 1, 15
actively participate in the discussions that arise in class and in the seminars	20	0	0	2, 6, 4, 12, 14, 8, 5, 10, 9, 1, 7, 15

# **Bibliography**

Andrefsky, W. (1998) Lithics. Macroscopic approaches to analysis. Cambridge Univ. (KA AND)

Agustí, J. y Antón, M. (2011). La gran migración. La evolución más allá de África, Crítica.

Bailey, G. 1983: *Hunter-Gatherer Economy in Prehistory: A European Perspective*. Cambridge: Cambridge University Press.

Bermúdez de Castro, J. M., Arsuaga, J. L. y Carbonell, E. (1995). Evolución humana en europa y los yacimientos de la sierra de atapuerca. Soria, Junta de castilla y león.

Bettinger, R. L. 1991. Hunter-Gatherer. Archaeological and Evolutionary Theory. Plenum Press, New York.

Binford, L. R. 1967. Smudge Pits and Hide Smoking: The Use of Analogy in Archaeological Reasoning. *American Antiquity*, 32 (1): 1-12.

Binford, L.R.: En busca del pasado. Ed. Crítica, Barcelona 1988

Boëda, E. (1994). Le concept Levallois: variabilité des méthodes. París, CNRS.

Boëda, E. (2013). Techno-logique & Technologie. París, CNRS Éditions.

Campbell, B.G.: Humankind emerging. Ed. Harper Collins Publishers. London 1992. 6a edició.

Carbonell, E., Arsuaga, J. L. y Bermúdez de Castro, J. M. (1999). "Monográfico Atapuerca." Journal of Human Evolution 37(3/4).

Cela, J. y Ayala, F. J. (2013). Evolución Humana. El camino de nuestra especie. Madrid, Alianza.

Debenath A. & Dibble, H.L. (1993) *Handbook of Paleolithic Typology. Vol. 1: Lower & Middle Palaeolithic of Europe.* Philadelphia, Univ Pennsylvania. (BC 120 HAN)

Dennell, R. R., W. (1996). "The earliest colonization of Europe: the short chronology revisited." Antiquity 70 (269): 535-542.

Dennell, R. W. (2003). Dispersal and colonisation, long and short chronologies: how continuous is the Early Pleistocene record for hominids outside East Africa? *Journal of Human Evolution*, 45: 421-440.

Fleagle, J., Shea, J., Grine, F. E., Baden, A. L. y Leakey, R., Eds. (2010). Out of Africa I. The First Hominin Colonization of Eurasia. Vertebrate Paleobiology and Paleoanthropology.

Foley, R. 2001. In the Shadow of the Modern Synthesis? Alternative Perspectives on the Last Fifty Years of Paleoanthropology. *Evolutionary Anthropology*, 10: 5-14.

Gamble, C. (2001). Las Sociedades Paleolíticas de Europa. Barcelona, Ariel.

Gamble, C. (1993) *Timewalkers. The prehistory of global colonisation*. Stroud: Alan Sutton (Chapter 7). (BB 1 GAM)

Gould, R. A. 1980. Living Archaeology. Cambridge University Press, Cambridge.

González Ruibal, A. and X. Ayán Vila (2018). Arqueología. Una introducción al estudio de la materialidad del pasado. Madrid, Alianza.

Gowlett, J. A. J. y Wrangham, R. W. (2013). "Earliest fire in Africa: towards the convergence of archaeological evidence and the cooking hypothesis." Azania: Archaeological Research in Africa 48(1): 5-30.

Inizan, M-L., Roche, H., Tixier, J. (1992) Technology of knapped stone. Meudon, CREP. (KA INI)

Isaac, G. Y Isaac, B., Eds. (1997). Koobi Fora: Research project. Plio-Pleistocene Archaeology.

Isaac, G. y Isaac, B., Eds. (1997). Koobi Fora: Research project. Plio-Pleistocene Archaeology.

Jones, S.; Martin R.; Pilbeam, D. (Eds.): Human Evolution. Cambridge Univ. Press. 1992.

Kelly, R. L. 1995. *The foraging spectrum: diversity in hunter-gatherer lifeways*. Smithsonian Institution, Washington.

Lee R.B. & Devore I., Eds. (1968) *Man the hunter*. Chicago, Aldine. (chapters by: Lee, Woodburn, Suttles, Balikci). (HB LEE)

Klein, R. G.: The Human Career. Chicago, University of Chicago Press. 1999.

Leakey, M.D. & Clark, J. D. (1971). Olduvai Gorge. Excavations in beds II, 1960-1963 and I. Cambridge, Cambridge University Press.

Lee R.B. & Daly, R. (eds.) (1999) the Cambridge Encyclopedia of Hunters and Gatherers. Cambridge Univ.

Lee R.B. & Devore, I. (eds.) (1968). *Man the hunter*. Chicago, Aldine. (Chapters by: Lee, Woodburn, Suttles, Balikci).

Leroi-Gourhan, A (<u>1971</u>). *El gesto y la palabra*. Publicaciones de la <u>Universidad Central de Venezuela</u>, <u>Caracas</u>.

Lewin, R.: Evolución Humana. Biblioteca Cientifica Salvat. Barcelona 1993.

Lewin, R. & Foley. R.: Principles of Human Evolution. Oxford Blackwell. 2004.

Mcgrew, W. C. 1998. Culture in Nonhuman Primates? *Annu. Rev. Anthropol.*, 27: 301-328. Anthro Pers and also available online

Mithen, S. (1996). The Prehistory of the Mind. London, Thames & Hudson. (BB 1 MIT) (chapters 7-10)

Morgan, T. J. H., Uomini, N. T., Rendell, L. E., Chouinard-Thuly, L., Street, S. E., Lewis, H. M., Cross, C. P., Evans, C., Kearney, R., de la Torre, I., Whiten, A. y Laland, K. N. (2015). "Experimental evidence for the co-evolution of hominin tool-making teaching and language." Nat Commun 6.

Morwood, M. J. 1975. Analogy and the Acceptance of Theory in Archaeology. *American Antiquity*, 40 (1): 111-116. Inst Arch Pers and also available online

Roebroeks, W. y Van, T., Eds. (1995). The earliest occupation of Europe proceedings of the european science foundation workshop france) at tautavel, Analecta praehistorica leidensia.

Roebroeks, W. (2006). "The human colonisation of Europe: where are we?" Journal of Quaternary Science 21 (5): 425-435.

Sackett, J. 2000. Human antiquity and the Old Stone Age: the nineteenth century background to palaeoanthropology. *Evolutionary Anthropology*, 9: 37-49. (Anth-Per and also available online)

Schick, K. & Toth, N.: *Making silent stones speak. Human evolution and the dawn of technology*. Ed. Touchstone. 1994

Schiffer, M. B. (1987). Formation processes of the archaeological record. Albuquerque, University of New Mexico Press.

Smith, A. R., Carmody, R. N., Dutton, R. J. y Wrangham, R. W. (2015). "The significance of cooking for early hominin scavenging." Journal of Human Evolution 84(0): 62-70.

Stringer, C. & Andrews, P. (2005). The Complete World of Human Evolution. Thames & Hudson, London

Stringer, CH.; Gamble, CL.: En busca de los Neandertales. Ed. Crítica. Barcelona 1996.

Stringer, C. & Andrews, P. (2005). La evolución humana. Akal

Torre, I. de la: La Arqueología de los Orígenes humanos en África. Madrid, Akal. 2008.

Trigger, B. G. (1992). Historia del pensamiento arqueologico. Barcelona, Critica.

Tattersall, I. 2000. Paleoanthropology: The Last Half-Century. Evolutionary Anthropology, 7: 2-16.

Whiten, A., Boesch, C. (2001). "The Culture of Chimpanzees." Scientific American 61.

Whiten, A. (2015). "Experimental studies illuminate the cultural transmission of percussive technologies in Homo and Pan." Philosophical Transactions of the Royal Society of London B: Biological Sciences 370(1682).

Wrangham, R. W., McGrew, W. C., Waal, F. D. y Heltne, P. (1996). Chimpazee cultures, Harvard University Press.