

COMPARATIVE PSYCHOLOGY

1. GENERAL

SCHOOL	SOCIAL SCIENCES		
DEPARTMENT	PSYCHOLOGY		
LEVEL	Undergraduate		
COURSE CODE	Ψ-1402	SEMESTER	3 rd
COURSE TITLE	COMPARATIVE PSYCHOLOGY		
COURSE INSTRUCTOR	Andreas Kastellakis Associate Professor of Physiological Psychology		
TEACHING ACTIVITIES	WEEKLY HOURS	ECTS	
Lectures, demonstrations of videos	3	4	
COURSE TYPE	specialized general knowledge (Elective)		
PREREQUISITES COURSES:	None		
INSTRUCTION/EXAM LANGUAGE:	Greek		
OFFERED TO ERASMUS STUDENTS	YES (independent study of English literature, 1 assignment, and term paper)		
COURSE WEB PAGE (URL)	https://elearn.uoc.gr/course/view.php?id=319 (Password required)		

2. LEARNING OUTCOMES

Learning Outcomes
<p>This course is designed to identify similarities and differences between animals and humans, as well as to stimulate reflection on the possible origin of certain patterns of behaviour in humans. The aim of the course is to familiarize students with the terms of comparative psychology as well as related scientific fields. In order to incorporate the subject matter, students are briefly invited to watch videos about the behaviour of animal organisms in nature.</p> <p>On the successful completion of the course students are expected to have understood the main issues raised in this course which are:</p> <ol style="list-style-type: none"> 1. The mechanisms (causal and functional) that are the basis of animal and human behaviour, 2. The concept of phylogenetic continuity between human and other species and 3. The understanding that behaviour is determined in an integral way by the biological and contextual constraints of individuals. <p>The students should be able also to know:</p> <ul style="list-style-type: none"> • The various "streams of thought" and theories related to the study of animal behaviour • Fundamental methods and study techniques used to capture the behaviour of animals in nature and the laboratory.
General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology.
- Working independently.
- Working in an international environment.
- Respect for difference.
- Respect for the natural environment.
- Production of free, creative and inductive thinking.
- Criticism and self-criticism

COURSE CONTENT

- Comparative Psychology and its relationships with other disciplines
- Levels of analysis of animal behavior
- Behavior genetics (from gene to behavior)
- Evolution theory and behavior
- Animal and human evolution
- Instinct and learning
- Ritualization and communication
- Mate selection and sexual strategy
- Family relationships, parental care and altruism
- Habitat choice and immigration
- Territorial behavior and aggression
- Predator and anti-predator behavior
- From ethology to behavioral ecology
- Sociobiology and culture

3. INSTRUCTIONAL AND LEARNING METHODS - EVALUATION

INSTRUCTION METHOD	In class (face-to-face). These meetings include lectures, short video demonstrations, and discussions.		
INFORMATION AND COMMUNICATION TECHNOLOGIES USED	Use of ICT in teaching Support for learning (communication with students and delivery of all course material) via the UoC e-learn online platform.		
TEACHING ORGANIZATION	<i>Activity</i>	<i>Semester Work load</i>	<i>ECTS credits</i>
	Lectures	39	1,56
	Independent Study	60	2,4
	Final Exams	2	0,08
	Course Total	101	4,04
STUDENT EVALUATION	The evaluation is in Greek for the students of UoC and in English for the Erasmus students.		

	<p>I. Final Exams (written exams: multiple choice questions, short answers questions etc)</p> <p>II. Optional bonus small reviews on specific topics up to 2 point</p> <p>The evaluation criteria are presented during the 1st lecture of the semester. Moreover, all criteria are available to the students via the web-site of course on UoC e-learn platform.</p>
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4. BIBLIOGRAPHY

This course is comprised of a range of different free, online materials (lecture notes, slides & videos). However, the course makes primary use of the following materials:

Basic bibliography:

- Hickman, C.P.Jr, Roberts, L.S., & Keen, S., Eisenhour, D., Larson, A., & Anson, H. (2015). *Zoology: Integrated Principles* (II vol., pp. 369-391, Editors in Greek edition: E. Voultziadou, & A. Legakis). Athens: Utopia (Greek edition).
- Davies, N.B., Krebs, J.R., & West, S.A. (2015). *Introduction to Behavioural Ecology* (4th ed., Editors in Greek edition: A. Economou, & R. Mitoula). Athens: Parisianou Publications (Greek edition).
- Kourtovik, D. (1998). *Comparative Psychology*. Athens: Ellinika Grammata (Greek edition).

Additional Reading:

- Agosta, W.C. (2000). *Chemical communication: The language of pheromones*. Heraklion: Crete University Press (Greek edition).
- Alcock, J. (1993). *Animal behavior* (5th ed.). Sunderland, MA: Sinauer Associates, Inc.
- Ayala J. F. (2010). *Am I a monkey: Six big questions about evolution*. Athens: Katoptro Publications (Greek edition).
- Blanc, M. (1995). *The Darwin's inheritors*. Athens: Stahy Publications (Greek edition).
- Diamond J. (2009). *The third chimpanzee: The evolution and future of the human animal*. Athens: Katoptro Publications (Greek edition).
- Eibl-Eibelfeldt, I. (1981). *Love and Hate: on the natural history of basic behaviour patterns*. Athens: Thymari Publications (Greek edition)..
- Kafetzopoulos, E. (1999). *The sexual ape*. Athens: Katoptro Publications (Greek edition).
- Kourtovik, D. (2010). *The evolution of human sexuality*. Athens: Ellinika Grammata (Greek edition).
- Krimbas, C.B. (2007). *Sociobiology*. Athens: Katoptro publications (Greek edition).
- McFarland, D. (1999). *Animal behaviour* (3rd ed.). Essex: Longman Ltd.
- Manning, A., & Dawkins M.S. (1998). *Animal behaviour* (5th ed.). Cambridge: Cambridge University Press.

- Mayer E. (2002). *This is biology*. Athens: Katoptron Publications (Greek edition)
- Mayer E. (2005). *What evolution is*. Athens: Katoptron Publications (Greek edition).
- Morris, D. (2007). *The naked ape: A zoologist's study of the human animal*. Athens: Kedros Publications (Greek edition).
- Wilson, E.O. (2000). *Sociobiology: A new synthesis* (The Abridged Edition). Athens: Synalma Publications (Greek edition).