



## 15648. COMPARATIVE COGNITION

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**Profesores/as:** *James Byron Nelson* (Grupo 01, inglés)

**Código:** 15648

**Asignatura optativa:** Comparative Cognition

**Curso:** indiferente

**Segundo cuatrimestre**

**Créditos totales:** 6 **Créditos teóricos:** 4 **Créditos prácticos:** 2

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### OBJETIVOS GENERALES

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The course will provide the student with an introduction to comparative psychology. Students will learn basic methodologies used to study cognition in humans and animals and the resulting facts. Throughout the course the relevance of the material to modern psychology will be stressed.

### TEMARIO

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#### PARTE TEÓRICA

1. Animal Cognition
2. Representation of Stimuli
3. Memory
4. Learning
5. Attention
6. Problem solving and reasoning
7. Communication and language

#### PARTE PRÁCTICA

Students will design and participate in experiments on learning in human subjects and write reports which discuss how the methodology measured an underlying cognitive skill. As a final project, the student will create a new task or method through which to study cognition

### BIBLIOGRAFÍA BÁSICA

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- Bouton, M.E. (2006). *Learning and behavior: A contemporary synthesis*. Sinauer Associates Inc
- Pearce, J.M. (2008) *Animal Learning and Cognition, 3rd edition: An Introduction*. Psychology Press
- Shettleworth, S. (1998). *Cognition, Evolution, and Behavior*. Oxford University Press



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Wasserman, E. A., & Zentall, T. R. (2006) Comparative Cognition: Experimental Explorations of Animal Intelligence. Oxford University Press  
Boakes, R. (1984). From Darwin to Behaviorism: Psychology and the minds of animals. Cambridge University Press.

## EVALUACIÓN

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Grades will be based on contributions to the class discussions, four exams, and the written works from the practicums. Of these, the exams and class participation will compromise 80% of the total grade, while the work from the practicums will contribute the remaining 20%.