



# **UNIVERSIDAD COMPLUTENSE DE MADRID**

## **Universidades Norteamericanas Reunidas**

**(Breve descripción de la asignatura / Brief Course Description)**

### **Introduction to Neuroscience**

This course introduces Neuroscience as it relates to human behavior, in order to understand the psychology behind how biological processes, human behavior and mental processes come together. Students will learn about current concepts, theory and experimental findings to gain a deeper understanding of neuroscience principles and theory, and discuss the scientific methods, how it is applied to this field, and ethical concerns surrounding its subjects for study. Emphasis will be given to the biological function of human behavior and the way in which human behavior is connected to genes, neurons, neural systems, hormones, age and other biological processes, the impact of genes on behavior and reaction to environment, cellular biology, neurons and sensory perception, motor control, and complex behavioral functions. Students will also learn about the effect of drugs on these behavioral functions and the biological bases of mental disorders. During this course, students will explore how behavioral neuroscience informs our understanding of culture and society, with special attention centered on comparative cultural influences on neurocognitive processes, and how behavioral neuroscience informs our understanding of local culture, regional identity, and actions of our global society.

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