

25911 - Basic biology II

Información del Plan Docente

Academic Year	2016/17
Academic center	301 - Facultad de Ciencias Sociales y Humanas
Degree	270 - Degree in Psychology
ECTS	6.0
Course	2
Period	First Four-month period
Subject Type	Compulsory
Module	---

1. Basic info

1.1. Recommendations to take this course

It is recommended that the student has passed related subjects that are scheduled previously, with special attention to the subject "Basic Biology I". In relation to the skills of our subject, the student has acquired knowledge about: the concept and methods of psychobiology; evolution and genetics; structure and function of cells of the nervous system; neuronal plasticity; neuroanatomy and nervous system development. In addition, students must have basic computer skills and know how to perform literature searches. Finally, it is essential to follow the course in the Moodle platform. Finally, it is recommended a sustained attendance to classes.

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

Classes include expository sessions and practical sessions, teacher-directed activities, seminars, tutorials and

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self-learning work.

5.2.Learning activities

Lectures:

Aimed at exposing the basic contents of the subject to be complemented with the recommended bibliography, videos and slides.

Practical classes in small groups:

Its aim is the integration of knowledge, procedures and attitudes of the subject, working in groups sometimes. Several materials and activities will be used. To do this, we will use: scientific publications, samples for viewing under a microscope, software, case studies, images and anatomical models.

Tutorials:

The tutorials provide an opportunity to regulate student's learning and correct any problem that arise along the course.

Student study time:

The student will carry out an exercise of self-regulation of the learning process assisted by the aforementioned activities. The student must manage hours of dedication to the study of the subject which do not require attendance. For guidance, each hour of class requires at least one and a half of self-study.

5.3.Program

Concept, method and techniques in Physiological Psychology.

Neuroanatomy and functions of the cerebellum and basal ganglia.

Neuroanatomy and functions of the diencephalon.

Neuroanatomy and functions of the limbic system.

Sleep and biological rhythms.

Ingestive behavior.

The sexual and parental behavior.

Emotion, aggressive behavior and stress.

Learning and Memory.

5.4.Planning and scheduling

The overall planning of the course corresponds to the following student dedication: total hours: 150; attendance hours: 56; non-attendance hours of student work: 90; Assessment hours: 4.

5.5.Bibliography and recommended resources

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- Neurociencia / directores, Dale Purves ... [et al.] . - 3ª ed. Buenos Aires [etc.] : Médica Panamericana, D.L. 2010
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- Felten, David .L.. Netter : Atlas de neurociencia / David L. Felten, Anil N. Shetty ; ilustraciones por Frank H. Netter. 2ª ed. Barcelona [etc.] : Elsevier Masson, cop. 2010
- Neurobiology of disease [Recurso electrónico] / edited by Sid Gilman. . Burlington, Mass. : Elsevier Academic Press, c2007
- Principios de neurociencia / editado por Duane E. Haines ; colaboradores M. D. Ard ... [et al.] ; [revisores de la ed. española, Enrique Saldaña Fernández, Silvano de las Heras López-Negrete] . 2ª ed., [reimpr.] Madrid [etc.] : Elsevier Science, D.L. 2009
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- Kolb, Bryan. Neuropsicología humana / Bryan Kolb, Ian Q. Whishaw . 5ª ed. , [1ª ed., 1ª reimpr.] Madrid [etc.] : Panamericana, 2008
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