



Year : 2018/19

## **25901 - Basic Biology I**

### **Syllabus Information**

<b>Academic Year:</b>	2018/19
<b>Subject:</b>	25901 - Basic Biology I
<b>Faculty / School:</b>	301 -
<b>Degree:</b>	270 - Degree in Psychology
<b>ECTS:</b>	6.0
<b>Year:</b>	1
<b>Semester:</b>	First Four-month period
<b>Subject Type:</b>	Basic Education
<b>Module:</b>	

### **General information**

#### **Aims of the course**

#### **Context and importance of this course in the degree**

#### **Recommendations to take this course**

#### **Learning goals**

#### **Competences**

#### **Learning goals**

#### **Importance of learning goals**

#### **Assessment (1st and 2nd call)**

#### **Assessment tasks (description of tasks, marking system and assessment criteria)**

#### **Methodology, learning tasks, syllabus and resources**

#### **Methodological overview**

The methodology followed in this course is oriented towards achievement of the learning objectives based on lectures and practice sessions.

#### **Learning tasks**

**The course includes 60 ECTS organized according to:**

- Lectures (3 ECTS: 30 hours)
- Practice sessions (3 ECTS: 30 hours)

## **Syllabus**

The course will address the following topics:

- Introduction to Psychobiology
- The role of evolution, genetics and experience to understand behavior.
- Structure and functions of the cells of the Nervous System
- Psychopharmacology
- Neuroanatomy
- Development and plasticity of the Nervous System
- Spinal cord and brainstem
- Somatosensory system
- Psychobiology of the senses

## **Course planning and calendar**

The overall planning of the course corresponds to the following student dedication:

- Total hours: 150
- Attendance hours: 56
- Non-attendance hours of autonomous work: 90
- Assessment hours: 4

Calendar of attendance sessions and presentation of works:

- Lectures: 2 hours/week
- Practice sessions in small groups: 2 hours/week
- Assessment: at the end of semester

## **Bibliography and recommended resources**

- Pinel, John P. J.. Biopsicología / John P. J. Pinel ; Traducción y revisión técnica María José Ramos Platón ; Prólogo de Miguel Navarro García . - 6ª ed., ultima reimpr. Madrid [etc.] : Prentice Hall, 2009 \*
- Carlson, Neil R.. Fisiología de la conducta / Neil R. Carlson ; traducción Gea Consultoria Editorial S.L. - 11ª ed.

Madrid [etc] : Pearson-Addison Wesley, D. L. 2014 \*

- Diamond, M. C.. El cerebro humano : libro de trabajo / M. C. Diamond, A. B. Scheibel y L. M. Elson. . 1ª ed., 7ª reimp. Barcelona : Ariel, 2008

\*Both books include an interactive CD that can be taken separately in the Campus Library.