

## 25901 - Basic Biology I

### Syllabus Information

**Academic Year:** 2019/20

**Subject:** 25901 - Basic Biology I

**Faculty / School:** 301 -

**Degree:** 270 - Degree in Psychology

**ECTS:** 6.0

**Year:** 1

**Semester:** First Four-month period

**Subject Type:** Basic Education

**Module:**

### 1.General information

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

### 3.Assessment (1st and 2nd call)

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

### 4.Methodology, learning tasks, syllabus and resources

#### 4.1.Methodological overview

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

#### 4.2.Learning tasks

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

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

#### 4.3.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

#### 4.4.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

#### 4.5.Bibliography and recommended resources

- 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
- Felten, David L., Cuaderno de Neurociencia para colorear / David L., Felten, Mary Sumo Maida. Barcelona : Elsevier, D.L., 2019.
- Pinel, John R.J., Biopsicología / John P.J. Pinel; Traducción y revisión técnica María Jose Ramos Platón; Prólogo de Miguel Navarro García.-6ª ed., última reimpresión. Madrid [etc.] : Prentice Hall, 2009\*

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