

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.