# UE Neurological Bases of the Emotions and Motivation

ECTS
6 crédits

Composante
UFR de Chimie et de biologie

Période de l'année
Printemps (janv. à avril/mai)

## Diplômes intégrant cet élément

- Master Biologie - Santé

**Langue(s) d'enseignement:** Anglais
**Ouvert aux étudiants en échange:** Oui
**Code d'export Apogée:** YAMB8U22

# Présentation

## Description

This course will allow a better understanding of the anatomical, neurochemical, neurobiological and neurophysiological basis of normal and pathological behaviors (anxiety, addiction, stress). This course will contain the following lectures:

-Neurotransmission in the central nervous system: basis and main systems (lectures, 13h)

-Functional neuro-anatomy of the cerebral cortex (lecture, 3h)

-Interest of the functional neuro-imagery in the study of behaviors (lecture, 4h; tutorial, 2h)

-EEG: a tool for the study of the awake/sleep behavior (tutorial, 2h)

-Study of the neurobiological basis of the behavior: behavioral tests in human and animal (tutorial, 2h)

-Study and neurobiological model of the emotional processing (lecture, 4h)

-Physiopathology of anxiety, stress and depression (lecture, 3h)

-Neurobiology of drug addiction (lectures, 7h)

-Alterations in visuo-spatial orientation and obsessive-compulsive disorders (lecture, 2h)

-Behavioral tests in animal (practical, 4h)

## Heures d'enseignement

| | | |
|---|---|---|
| TP | TP | 6h |
| TD | TD | 8h |
| CM | CM | 32h |

**Période :** Semestre 8

## Compétences visées

**Targeted skills:**

To obtain a good understanding of the neurobiological and neurophysiological systems underlying several emotions and behaviors (addiction, stress, motivation) in human beings and animals.

# Infos pratiques

## Contacts

### Responsable pédagogique

Sabrina Boulet
Sabrina.Boulet@univ-grenoble-alpes.fr

## Lieu(x) ville

Grenoble

## Campus

Grenoble - Domaine universitaire