

# UE Neurological Bases of the Emotions and Motivation



ECTS  
6 crédits



Composante  
UFR Chimie-  
Biologie



Période de  
l'année  
Toute l'année

- > **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)

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## Heures d'enseignement

UE Neurological Bases of the Emotions and Motivation - TP	TP	6h
UE Neurological Bases of the Emotions and Motivation - TD	TD	8h
UE Neurological Bases of the Emotions and Motivation - CM	CM	32h

**Période** : Semestre 8

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## 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

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### Contacts

Responsable pédagogique

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### Lieu(x) ville

> Grenoble

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### Campus

> Grenoble - Domaine universitaire