

# UE Neurological bases of the Emotions and Motivation



ECTS  
6 credits



Component  
UFR Chimie-  
Biologie

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** YAMB8U22

## Presentation

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### 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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## Course parts

UE Neurological bases of the behaviors - CM	Lectures (CM)	32h
UE Neurological bases of the behaviors - TP	Practical work (TP)	6h
UE Neurological bases of the behaviors - TD	Tutorials (TD)	8h

**Period** : Semester 8

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## Skills

### 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.

## Useful info

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### Contacts

Program director

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### Place

› Grenoble

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### Campus

› Grenoble - University campus