

- Faculté des lettres et sciences humaines
- [www.unine.ch/lettres](http://www.unine.ch/lettres)

## Neurosciences / Brain and cognition (2LN2201)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en sciences cognitives</b>	<b>Cours: 2 ph</b>	<b>écrit: 2 h</b>	<b>5</b>

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

### Période d'enseignement:

- Semestre Automne

### Equipe enseignante:

Dr Delphine Preissmann

### Objectifs:

At the end of the course, students will have a deep knowledge of fundamental chapters in neurosciences (brain anatomy, cortical organization, perception..) and on affective and cognitive neurosciences. (i.e on emotions, empathy, decisions, addiction...). By presenting recent researches in behavioral neuroscience, this course aims to provide a better understanding of cognition/social behaviors by their articulation with previous psychological theories about behavior and mental activity.

### Contenu:

planning of the course (brief summary)

Introduction

Brain anatomy, Case studies

Action potential, neuromodulation

Somatic Sensory system, Perception

Language (aphasia)

Brain plasticity, Memory

Neuroimageries/states of consciousness, sleep

Affective and cognitive Neurosciences

Emotions, hormones

Addictions

Decisions, embodiment

Prosocial behavior / social pain

Empathy

### Forme de l'évaluation:

Continuous assessment

### Documentation:

Bibliography

- Bear, M.F. et al. Neuroscience: Exploring the Brain. Lippincott Williams & Wilkins

- Purves, D. et al., Neuroscience. Sunderland, Massachusetts, USA.

- Gazzaniga, Ivry, Mangun. Cognitive Neuroscience: The biology of Mind, W. W. Norton & Company; 4th edition

- Kolb, B., Wishaw, Q. An Introduction to Brain and Behavior

+ Specific bibliography indicated during the course

### Forme de l'enseignement:

cours ex cathedra