

- Faculté des lettres et sciences humaines
- www.unine.ch/lettres

Neurosciences / Brain and cognition (2LN2201)

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

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:

Written Exam (2h)

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