# UE Neural network modelling AI for Health Applications

**Niveau d'étude**
Bac +5

**ECTS**
3 crédits

**Composante**
UFR Pharmacie

> **Langue(s) d'enseignement:** Anglais
> **Ouvert aux étudiants en échange:** Non

# Présentation

## Description

The theme of the course focuses on the understanding of biological and artificial neural networks from a theoretical perspective (links between neurons and psyche, advantage of a distributed parallel system compared to a Turing-Von Neumann machine) but also from a methodological perspective (concrete implementation of artificial neural networks). Part 1: the origins of cognitive psychology. Part 2: synaptic learning algorithms. Part 3: similarity between biological and artificial neural networks. Part 4: Similarity between biological and artificial neural networks. Towards conscious artificial networks?

## Heures d'enseignement

| | | |
|---|---|---|
| UE Neural network modelling AI for Health Applications - CMTD | Cours magistral - Travaux dirigés | 18h |

**Période :** Semestre 9

# Infos pratiques

## Lieu(x) ville

> Grenoble

# Campus

> Grenoble - La Tronche domaine de la Merci