


NEUROSCIENCE OF
SOCIAL-COGNITIVE
ENHANCEMENT FOR
WELL-BEING AND
NEURAL BASES OF
DECISION PROCESSES



Course organization

Module A: fundamentals and introduction to neuroscience

general overview on the nervous system with an emphasis on the neural basis of resilience

Module B: neurodiversities and neuroergonomics

understanding neurodiversities with an emphasis on how different cognitive styles affect work

Module C: neuroeconomics

understanding the neural bases of decision processing and an overview on social neuroscience

General info

The course does not require prior knowledge of biology, psychology or mathematics.

At the end of each module, the option to participate a midterm exam will be provided.

Active student participation in class (with presentations and/or voluntary group or individual work) is encouraged.

The final exam consists of a written multiple-choice exam (one written exam for each module). Depending on the grade obtained in the written exam, an oral examination will also be required (or optional).

Course Content

The main goal of the course is to provide the basis for understanding neurodiversity. It will investigate the bases of human cognitive functions and their neural underpinnings in both neurotypical and atypical population, also focusing on the factors underlying interindividual differences in behavior and the genes-environment interactions. The course will also address the practical implications of these notions, particularly in the areas of neuroergonomics and neuroeconomics.

Learning Objectives

Refer to the syllabus: <https://www.unifi.it/p-ins2-2023-675661-1.html>