COURSE DETAIL

INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE

Country
Netherlands

Host Institution
Maastricht University - Center for European Studies

Program(s)
Psychology and Neuroscience,Psychology and Neuroscience, Maastricht

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Psychology

UCEAP Course Number
127

UCEAP Course Suffix

UCEAP Official Title
INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE

UCEAP Transcript Title
COMPUTATN NEUROSCI

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

In this course students receive an overview of the basic principles of connectionism and neural networks ranging from simple to complex models of neurons and their interconnections. Students learn how these models are used to study brain function for a wide range of topics including vision, decision making, and higher cognition. The course begins by identifying the brain, its structures, and their function. Also covered is the type of information processing carried out in the neural structures and what the physical and biological constrains are within those neural structures.

Language(s) of Instruction
English

Host Institution Course Number
PSY3365

Host Institution Course Title
INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE

Host Institution Course Details

Host Institution Campus

Host Institution Faculty
Faculty of Psychology and Neuroscience

Host Institution Degree

Host Institution Department

Course Last Reviewed

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