COURSE DETAIL

COMPUTATIONAL NEUROSCIENCE
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 163
UCEAP Course Suffix
UCEAP Official Title COMPUTATIONAL NEUROSCIENCE
UCEAP Transcript Title COMPUTATIONAL NEURO
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

This course focuses on computation in the nervous system. Students are introduced to basic neuroscience concepts, learn about how computational models are used to simulate processes in the brain, and learn about theories for how the brain processes information and performs computations. Topics include an introduction to basic neuroscience concepts, models of neurons, neural encoding, neural decoding, information theory, network models, and plasticity/learning. The course is delivered through lectures and computer labs.

Language(s) of Instruction
English

Host Institution Course Number
INFR11209

Host Institution Course Title
COMPUTATIONAL NEUROSCIENCE

Host Institution Campus

Host Institution Faculty
School of Informatics

Host Institution Degree

Host Institution Department

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