NEUR 503. COMPUTATIONAL NEUROSCIENCE.

Credits: 3

Offered by: Neurology and Neurosurgery (Faculty of Medicine & Hlth Sci)

This course is not offered this catalogue year.

Description

A survey of computational methods commonly used to model brain function, including mathematical modeling to describe the relationship between neuronal activity and perception, action, and cognition. Mathematical basis for vision, motor control and attention. Data relevant to brain processes and models explaining these data, using engineering, statistics and artificial intelligence.

- Winter
- Basic neuroanatomy/neurophysiology, some mathematics (linear algebra calculus, probability/statistics) or consent of instructor.
- Restriction: Not open to students who have taken NEUR 603.