Fundamentals of Systems and Cognitive Neuroscience

Instructor
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Department: CNS
Course Time: Mon, Wed, Fri, 9-10AM
Lecture venue: CNS Seminar Hall
Detailed Course Page:

Announcements

Brief description of the course
This is an introductory course in fundamentals of systems and cognitive neuroscience, covering biophysics of action potentials, neuroanatomy, sensation and perception, attention, cognition and decision making, motor systems and space and memory.

Prerequisites
None

Syllabus
Neuroanatomy (5 lectures)
Biophysics of action potentials (6 lectures)
Sensation and Perception (10 lectures)
Attention (4 lectures)
Cognition and decision making (5 lectures)
Motor systems (10 lectures)
Space and memory (5 lectures)
**Course outcomes**
After taking the course, a student should have a basic knowledge of brain function, understand the neural basis of sensory, motor, attention and space.

**Grading policy**
100% for assignments and tests in each set of lectures. Total grade is based on a weighted sum of marks in each part weighted by the number of lectures in that part.

**Assignments**

**Resources**
Principles of Neural Science by Kandel & Schwartz (4th edition)