



**NS201 Aug 3:0**

## **Fundamentals of Systems and Cognitive Neuroscience**

### **Instructor**

SP Arun, Supratim Ray, Sridhar Devarajan, Aditya Murthy  
Email: sparun@iisc.ac.in

### **Teaching Assistant**

Email:

**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)