

Neuroscience Courses (NSCI)

NSCI:7305 Neuroscience Research
Requirements: neuroscience graduate standing.

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NSCI Courses

This is a list of courses with the subject code NSCI. For more information, see Neuroscience (Graduate College) in the catalog.

NSCI:5212 Foundations in Behavioral and Cognitive Neuroscience **4 s.h.**

Concepts, methods, and findings in behavioral and cognitive neurosciences. Prerequisites: BIOL:3253. Same as PSY:5212.

NSCI:5365 Seminar: Neuropsychology and Neuroscience **arr.**

Clinical neuropsychology and cognitive neuroscience: cutting-edge research from scientific journals, case presentations in clinical neuropsychology, and current research. Same as NEUR:5365, PSY:5365.

NSCI:5653 Fundamental Neurobiology I **3 s.h.**

Neurobiology from molecular/cellular to systems levels, including cell biology of the neuron; membrane electrophysiology; synaptic transmission and plasticity, functional neuroanatomy, sensory, motor and autonomic systems; emotion, memory, sleep, language, attention and cognition, neuronal development; focus on systems and developmental neurobiology; first in a two-semester sequence. Same as BIOL:5653, PSY:5203.

NSCI:5654 Fundamental Neurobiology II **3 s.h.**

Neurobiology from molecular/cellular to systems levels, including cell biology of the neuron; membrane electrophysiology; synaptic transmission and plasticity; functional neuroanatomy, sensory, motor and autonomic systems; emotion, memory, sleep, language, attention and cognition, neuronal development; focus on molecular/cellular neurobiology and neurophysiology; second in a two-semester sequence. Prerequisites: BIOL:5653 or NSCI:5653 or PSY:5203. Same as BIOL:5654, PSY:5205.

NSCI:5658 Fundamental Neurobiology I Discussion **2 s.h.**

Discussion of selected papers, including classics from neurobiology literature; coordinated with BIOL:5653 lecture material. Same as BIOL:5658, PSY:5204.

NSCI:5659 Fundamental Neurobiology II Discussion **2 s.h.**

Discussion of selected papers, including classics from neurobiology literature; coordinated with BIOL:5654 lecture material. Same as BIOL:5659, PSY:5206.

NSCI:6265 Neuroscience Seminar **0-1 s.h.**

Research presentations. Same as ACB:6265, BIOL:6265, MPB:6265, PSY:6265.

NSCI:6360 Readings in Auditory Neuroscience **2 s.h.**

Presentation of a significant paper from the recent literature while leading a discussion of the paper with a group consisting of students, postdocs, and faculty involved in auditory research. Same as CSD:6360.

NSCI:7235 Neurobiology of Disease **3 s.h.**

Broad, thematic understanding of disease mechanisms in neurobiological disorders. Prerequisites: ACB:6252. Same as NEUR:7235.