

NEUROSCIENCE (NEURO)

Any experimental courses offered by NEURO can be found at:

registrar.iastate.edu/faculty-staff/courses/explisting/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explisting/>)

Courses primarily for graduate students, open to qualified undergraduates:

NEURO 556: Cellular, Molecular and Developmental Neuroscience

(Cross-listed with B M S, GDCB). (3-0) Cr. 3. Alt. F., offered odd-numbered years.

Prereq: BIOL 335 or BIOL 436; physics recommended

Fundamental principles of neuroscience including cellular and molecular neuroscience, nervous system development, sensory, motor and regulatory systems.

NEURO 557: Advanced Neuroscience Techniques

(Cross-listed with GDCB). (3-0) Cr. 3. Alt. S., offered odd-numbered years.

Prereq: Neuro 556 or equivalent course

Research methods and techniques; lectures, laboratory exercises and/or demonstrations representing individual faculty specialties.

Courses for graduate students:

NEURO 661: Current Topics in Neuroscience

(Cross-listed with BBMB, GDCB). (2-0) Cr. 2-3. Repeatable. Alt. S., offered even-numbered years.

Prereq: NEURO 556 (or comparable course) or permission of instructor

Topics may include molecular and cellular neuroscience, neurodevelopment, neuroplasticity, neurodegenerative diseases, cognitive neuroscience, sensory biology, neural integration, membrane biophysics, neuroethology, techniques in neurobiology and behavior.

NEURO 690: Journal Club in Neuroscience

(1-0) Cr. 1. Repeatable. F.S.

Prereq: NEURO 556

Students are required to attend and make at least one presentation at a weekly journal club focusing on current topics.

NEURO 696: Neuroscience Seminar

(1-0) Cr. 1. Repeatable. F.S.

Prereq: NEURO 556

Presentations and discussion of research by students, faculty, and visiting scholars.

NEURO 699: Research

Cr. arr. Repeatable.