

## Neuroscience (NEURO)

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Courses primarily for graduate students, open to qualified undergraduates:

**NEURO 556. Cellular, Molecular and Developmental Neuroscience.**

(Cross-listed with GDCB, B M S). (3-0) Cr. 3. F. *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 2015. *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 GDCB, BBMB). (2-0) Cr. 2-3. Repeatable. Alt. S., offered 2014. *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.