

NEUR - NEUROSCIENCE

NEUR Class Schedule (<https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/NEUR/>)

Courses

NEUR 302 Applied Neuroscience credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/302/>)

Same as PSYC 302. See PSYC 302.

NEUR 313 Drugs, Brain and Behavior credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/313/>)

Same as PSYC 313. See PSYC 313.

NEUR 314 Introduction to Neurobiology credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/314/>)

Same as MCB 314. See MCB 314.

NEUR 403 Memory and Amnesia credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/403/>)

Same as PSYC 403. See PSYC 403.

NEUR 405 Cognitive Neuroscience credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/405/>)

Same as PSYC 404. See PSYC 404.

NEUR 413 Advanced Neuropsychopharmacology credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/413/>)

Same as PSYC 413. See PSYC 413.

NEUR 414 Brain, Learning, and Memory credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/414/>)

Same as PSYC 414. See PSYC 414.

NEUR 417 Neuroscience of Eating & Drinking credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/417/>)

Same as FSHN 417, NUTR 417 and PSYC 417. See PSYC 417.

NEUR 419 Brain, Behavior & Info Process credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/419/>)

Same as BIOP 419 and MCB 419. See MCB 419.

NEUR 421 Principles of Psychophysiology credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/421/>)

Same as PSYC 421. See PSYC 421.

NEUR 432 Genes and Behavior credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/432/>)

Same as ANTH 432, IB 432, and PSYC 432. See IB 432.

NEUR 433 Evolutionary Neuroscience credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/433/>)

Same as IB 436, PHIL 433 and PSYC 433. See PSYC 433.

NEUR 445 Cognitive Neuroscience Lab credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/445/>)

Same as PSYC 445. See PSYC 445.

NEUR 450 Cognitive Psychophysiology credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/450/>)

Same as PSYC 450. See PSYC 450.

NEUR 451 Neurobio of Aging credit: 0 to 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/451/>)

Same as PSYC 451. See PSYC 451.

NEUR 453 Cog Neuroscience of Vision credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/453/>)

Same as PSYC 453. See PSYC 453.

NEUR 454 Neuroimmunology credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/454/>)

Same as ANSC 454. See ANSC 454.

NEUR 460 Evol of Intelligent Systems credit: 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/460/>)

Same as IB 460. See IB 460.

NEUR 461 Cell & Molecular Neuroscience credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/461/>)

Same as MCB 461. See MCB 461.

NEUR 462 Integrative Neuroscience credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/462/>)

Same as MCB 462. See MCB 462.

NEUR 500 Topics in Neuroscience credit: 1 Hour. (<https://courses.illinois.edu/schedule/terms/NEUR/500/>)

Critical reading and discussion of current papers from the neuroscience literature, and discussion of other relevant topics such as ethics and career and professional skills development. Grading based on attendance and participation. Approved for letter and S/U grading. May be repeated to a maximum of 2 hours. Prerequisite: Enrollment in Neuroscience Ph.D. program or consent of instructor.

NEUR 510 Advances in Behavioral Neuroscience credit: 3 or 4 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/510/>)

Same as PSYC 510. See PSYC 510.

NEUR 520 Advanced Topics in Neuroscience credit: 0 or 1 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/520/>)

Survey of current research in modern neuroscience. Approved for S/U grading only. May be repeated.

NEUR 542 Interdisciplinary Approaches to Neuroscience I credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/542/>)

The first course in a two-course series. An introduction for graduate students to the breadth and inter-disciplinary nature of neuroscience, focusing on fundamental papers in the field, as well as current research by faculty of the Neuroscience Program (NSP). Multiple NSP faculty participate. Topics include molecular and cellular neuroscience, behavioral neuroscience, neurogenomics, and neuroimmunology. Emphasizes critical thinking, concepts, and methods rather than facts, and is discussion-based. The last two weeks comprise student research presentations. Same as MCB 542 and PSYC 542. 3 graduate hours. No professional credit.

NEUR 543 Interdisciplinary Approaches to Neuroscience II credit: 3 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/543/>)

The second course in a two-course series. An introduction for graduate students to the breadth and inter-disciplinary nature of neuroscience, focusing on fundamental papers in the field, as well as current research by faculty of the Neuroscience Program (NSP). Multiple NSP faculty participate. Topics include cognitive and clinical neuroscience, auditory and systems neuroscience, and neural engineering. Emphasizes critical thinking, concepts, and methods rather than facts, and is discussion-based. The last two weeks comprise student-led teaching modules. Same as MCB 543 and PSYC 543. Prerequisite: NEUR 542 or consent of instructor.

NEUR 590 Indiv Topics Neuroscience credit: 1 to 16 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/590/>)

Individual topics of research supervised by Neuroscience faculty.

Usually taken in one of the eight Neuroscience concentration areas: 1) neuroanatomy, 2) neurophysiology, 3) cognitive and behavioral neuroscience, 4) neurochemistry, neuropharmacology and neurotoxicology, 5) neuroendocrinology and neuroimmunology, 6) developmental genetic and molecular neuroscience, 7) clinical and biomedical neuroscience, 8) computational neuroscience. Typically taken by students before they choose their thesis topic. Approved for S/U grading only. May be repeated in the same or subsequent terms. Prerequisite: Consent of instructor.

NEUR 598 Proseminar in Psychology credit: 0 to 2 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/598/>)

Same as PSYC 598. See PSYC 598.

NEUR 599 Thesis Research credit: 0 to 16 Hours. (<https://courses.illinois.edu/schedule/terms/NEUR/599/>)

Research on the thesis topic and preparation of the thesis. Approved for S/U grading only. May be repeated in the same term or in separate terms. Prerequisite: Consent of instructor.