NEUROSCIENCE (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 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 MCB 405. See MCB 405.

NEUR 413  Psychopharmacology  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 FSNH 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, 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 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 and KIN 458. 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 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 481  Developmental Neurobiology  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/NEUR/481)
Same as MCB 481. See MCB 481.

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 only. May be repeated to a maximum of 2 hours. Prerequisite: Enrollment in Neuroscience Ph.D. program or consent of instructor.

NEUR 508  Intro to Systems Neuroscience  credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/NEUR/508)
Same as MCB 508 and PSYC 508. See PSYC 508.

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 513  Survey of Neurobiology  credit: 1 Hour. (https://courses.illinois.edu/schedule/terms/NEUR/513)
Same as MCB 513. See MCB 513.

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. 0 or 1 graduate hours. No professional credit. Approved for S/U grading only. May be repeated.

NEUR 530  Special Topics in Neuroscience  credit: 1 to 4 Hours. (https://courses.illinois.edu/schedule/terms/NEUR/530)
Discussion of current topics of interest in neuroscience; seminar or lecture format. 1 to 4 graduate hours. No professional credit. May be repeated up to 12 hours as topics vary. Prerequisite: Consent of instructor.

NEUR 542  Interdisciplinary Approaches to Neuroscience I  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/NEUR/542)
Introduction for graduate students to the breadth and inter-disciplinary nature of Neuroscience, and to the topic areas investigated broadly by faculty of the Neuroscience Program (NSP). The course emphasizes concepts and methods rather than facts, and includes discussions and career development lectures. Team taught by multiple NSP faculty, senior students and postdocs, the course covers topics on the evolution of the nervous system, and cognitive, behavioral and clinical neuroscience. Same as MCB 542 and PSYC 542. 2 graduate hours. No professional credit.

NEUR 543  Interdisciplinary Approaches to Neuroscience II  credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/NEUR/543)
Introduction for graduate students to the breadth and inter-disciplinary nature of Neuroscience, and to the topic areas investigated broadly by faculty of the Neuroscience Program (NSP). The course emphasizes concepts and methods rather than facts, and includes discussions and career development lectures. Team taught by multiple NSP faculty, senior students and postdocs, the course covers topics in cellular, molecular, computational, behavioral and clinical neuroscience as well as neuroengineering. Same as MCB 543 and PSYC 543. 2 graduate hours. No professional credit. 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 4 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 or subsequent terms. Prerequisite: Consent of instructor.