Neuroscience

Richard B. Wells, Program Director (104 Morrill Hall 83844-3017; phone 208/885-6242; neuro@uidaho.edu; www.grad.uidaho.edu/neuro.

Neur 398 (s) Internship (cr arr)

Neur 500 Master's Research and Thesis (cr arr)

Neur 501 (s) Seminar (cr arr)

Neur 502 (s) Directed Study (cr arr)

Neur 503 (s) Workshop (cr arr)

Neur 504 (S) Special Topics (cr arr)

Neur 508 Topics in Neuroscience (1 cr, max arr)
See Biol 508.

Neur WS509 Design and Analysis of Biomedical Experiments (4 cr) WSU VPH 505

Neur WS520 Principles of Neurobiology (4 cr) WSU Neuro 520

Neur ID521 Biological Signal Processing (3 cr)
Same as ECE 557. Introduction to computational neuroscience. Neurons and neuron models, basic signaling mechanisms of neurons, networks of neurons, learning models, learning model algorithms, weight-based memory models. The Hodgkin-Huxley model. A principal emphasis in this course is the development of quantitative models and analysis of neural systems. A term project is required. Recommended preparation: introductory course in linear algebra. Familiarity with at least one programming language. (Spring, Alt/yrs)
Prereq: Math 160 or 170 and Permission

Neur 526 Cognitive Neuroscience (3 cr)
See Psyc 526.

Neur WS540 Advanced Topics in Integrative Neuroscience (3 cr) WSU Neuro 540

Neur WS541 Advanced Topics in Cellular and Molecular Neuroscience (3 cr) WSU Neuro 541

Neur WS542 Advanced Topics in Disciplinary Neuroscience (3 cr) WSU Neuro 542

Neur 590 Research in Neurobiology (cr arr)
Research rotations in neurobiology.
Prereq: Permission

Neur 591 Research in Computational Neuroscience (cr arr)
Research rotations in computational neuroscience.
Prereq: Permission

Neur 596 Research in Cognitive and Behavioral Neuroscience (cr arr)
Research rotations in cognitive and behavioral neuroscience.
Prereq: Permission

Neur 600 Doctoral Research and Dissertation (cr arr)