NEURODPT 533 — MOLECULAR PHYSIOLOGY
2 credits.

This course will introduce functional aspects of mammalian organ systems from a molecular perspective. Human diseases will receive a special emphasis, and diseases will be used to illustrate the connection between molecules and biological function. Recommended but not required: Biocore 323, biochem (e.g. BIOCHEM 507 508), cell biology (e.g. ZOOLOGY 570)

Requisites: CHEM 103 104 or 109 or 115 116; PHYSICS 201 202 or 207 208; ZOOLOGY/BIOLOGY/BOTANY 151 152 or Biocore 303 304; MATH 221 222 or 275 276.

Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

NEURODPT/NTP/PHYSIOL/ZOOLOGY 616 — LAB COURSE IN NEUROBIOLOGY AND BEHAVIOR
4 credits.

Students will do three independent experimental modules exploring neurophysiology and behavior, each taking 4-5 weeks. Students will work in groups of 2 or 3 and will learn techniques and then develop their own short investigations into each of three separate areas of neurobiology. There will be continual interaction between students and faculty.

Requisites: ZOOLOGY/NTP/PSYCH/ZOOLOGY 523 and NTP/PHYSIO / PSYCH/ZOOLOGY 524 or NTP/PHMCOL-M/PHYSIOLOG/NTP/PHMCOL-M 610 and ANATOMY/NTP/PHMCOL/PHYSIOLOG/PSYCH/ANATOMY/ NTP/PHMCOL-M/PHYSIOLOG 611

Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

NEURODPT/NTP 630 — NEURONAL MECHANISMS FOR SENSATION AND MEMORY IN CEREBRAL CORTEX
3 credits.

Current literature will be considered in lectures and discussions that provides insight into how the cerebral cortex processes sensory information to generate and store cogent representations of the external world. The course includes laboratory exercises and demonstrations.

Requisites: PHYSIOLOG/ANATOMY/NTP/PHMCOL-M/PSYCH/ANATOMY/ NTP/PHMCOL-M/PHYSIOLOG 611, MED SC-M 731, COMP BIO 505, PSYCH/ ZOOLOGY/PSYCH 523, PSYCH 454, or graduate or professional standing

Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

Last Taught: Spring 2017