

# NEUROLOGY (NEUROL)

## NEUROL 699 – DIRECTED RESEARCH IN NEUROLOGY

1-3 credits.

Offers the undergraduate student majoring in the life sciences (including biology, chemistry psychology, or related fields) and with interest in preparing for advanced coursework in graduate or medical school, an opportunity to participate in basic and translation research in neuroscience and neurological disorders.

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Summer 2023

## NEUROL/NTP 735 – NEUROBIOLOGY OF DISEASE

2 credits.

Seminar course relating major categories of human neurological and ophthalmological disease to fundamental topics in neurobiology.

**Requisites:** Graduate/professional standing and NTP/NEURODPT 610

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2022

## NEUROL 910 – INDEPENDENT READING AND RESEARCH FOR FOURTH YEAR MEDICAL STUDENTS

1-12 credits.

Independent research under the direct supervision of Neurology faculty. Each project is individualized to meet the research goals of the student within the context of the faculty's research.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2023

## NEUROL 913 – COGNITION AND NEUROANATOMY

2 credits.

Basic science concepts will be integrated to examine the relationship between neuroanatomy and cognition (e.g., learning and memory, executive function, visual perceptual abilities, etc.). Utilize stroke, epilepsy, dementia and other neurodegenerative disorders from clinical practice to demonstrate the connection between brain structure and cognitive function. Hands on experience in neuropsychological test administration and interpretation will be integrated into learning. Brain imaging correlates for clinical cases will be presented by a clinical neurologist.

**Requisites:** MED SC-M 810, 811, 812, and 813

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2023

## NEUROL 914 – NEUROLOGY, DIET & NEUROLOGICAL DISORDERS

2 credits.

Gain insight into the role of diet and nutrition in neurological disease while utilizing analytical and evidence-based-medicine research skills. Gain understanding of the role of diet and nutrition in the exacerbation and the treatment of neurological disorders (e.g. Epilepsy, Autism, Fragile X Syndrome, Phenylketonuria (PKU), Multiple Sclerosis).

**Requisites:** MED SC-M 810, 811, 812, and 813

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2023

## NEUROL 919 – NEUROLOGY INDIVIDUALIZED CLINICAL ELECTIVE

1-12 credits.

Individually scheduled clinical elective, directly supervised by Neurology senior residents and attending physicians. Regularly scheduled supervisor-student meetings, which involve some or all of the following: rounding on service patients, observing procedures in the unit or clinic, examination of patients in an ambulatory setting, presenting cases and teaching topics, and discussing patient cases. Independent activities, including reading about patient conditions and preparing for direct patient care, as needed. Other patient care related learning activities as assigned by instructors: these are dependent on the individual student and the patients under the student's care.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2023

## NEUROL 990 – RESEARCH SPECIAL NEUROLOGICAL FIELDS

1-12 credits.

Independent research under the direct supervision of Neurology faculty. Each student's project is individualized to meet the research goals of the student within the context of the faculty's research.

**Requisites:** Consent of instructor

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Summer 2015