

# NEUROSCIENCE - MD (NEURO)

## NEURO 700: Neuroscience Clerkship

6 Credits/Maximum of 6

This Clerkship is designed to expose medical students to a wide array of neurological conditions involving the nervous system and its coverings/support structures. On the Hershey campus, the clerkship maintains a core 2-week adult neurology experience that includes one week on either the stroke or the neurocritical care unit (NCCU) services and one week on either the inpatient general neurology or neurology consult services, plus an additional 2 weeks of selectives that provide exposure to other neuroscience disciplines - outpatient neurology, pediatric neurology, and/or Physical Medicine and Rehabilitation (PMR): The 1-week outpatient neurology selective provides a broad exposure to a variety of adult neurological disorders managed in an outpatient clinic setting, including headache, stroke, movement disorders, neuromuscular medicine, neurophysiology and electrodiagnostics, epilepsy, cognitive and behavioral medicine, and neuroimmunology. The 1-week selective in pediatric neurology provides exposure to a variety of medical pediatric/congenital nervous disorders in inpatient and outpatient settings. The 1-week selective in PMR provides exposure to the functional evaluation of neurological disorders and the multidisciplinary rehabilitative management of patients recovering from acute neurological disorders and those with chronic neurological disease.

**Prerequisite:** Successful completion of Phase I coursework & pass Step 1

## NEURO 740: Clinical Neuroscience Clerkship

5 Credits/Maximum of 5

The Clinical Neuroscience (CNS) Clerkship is a four-week or equivalent (i.e. longitudinal integrated clerkship) required clerkship designed to expose medical students to a wider array of neurological conditions than can be adequately covered in a traditional clinical neurology clerkship. The clerkship emphasizes an adult neurology experience which is achieved through immersion on an inpatient neurology service (general inpatient neurology or stroke inpatient service). The immersion into adult neurology is supplemented by additional selectives that students choose based upon their individual interests while meeting core learning objectives of the clerkship: 1. A 2-week selective in neurosurgery or neurosurgery + neurocritical care enhances students' exposure to brain, spine and peripheral nerve trauma; back and neck pain; intracranial (subarachnoid and intracerebral) hemorrhage; nervous system tumors; functional neurosurgery; the surgical management of epilepsy; and surgical pediatric/congenital nervous system disorders; 2. A 1-week selective in pediatric neurology exposes them to a variety of medical pediatric/congenital nervous disorders; 3. A 1- or 2-week outpatient neurology selective provides a broad exposure to a variety of adult neurological disorders managed in an outpatient clinic setting; 4. A 1-week stand-alone neuroscience critical care selective provides exposure to the critical care management of patients with severe neurological disorders, including treatment of status epilepticus, intracranial hypertension, and acute spinal cord injuries, and evaluation of the patient in coma; and 5. A 1-week selective in PM&R provides exposure to the functional evaluation of neurological disorders and the interprofessional rehabilitative management of patients recovering from acute neurological disorders and those with chronic neurological disease.

**Prerequisite:** Successful completion of Phase I Medical Student courses

## NEURO 741: Neurology Acting Internship

5 Credits

The Neurology AI will provide an advanced training in neurological evaluation, diagnosis and treatment in inpatient setting. Students will follow patients at the level of an intern, including admission, diagnostic work up, interdisciplinary team meetings, family discussions, documentation, discharge planning and brief outpatient follow up. Students will follow up on studies (including EMG and EEG) and will perform a lumbar puncture and will perform a formal case presentation.

**Prerequisites:** Successful completion of Phase I and II

## NEURO 796: Neurology Individual Studies

5 Credits/Maximum of 5

Neurology individual studies.

**Prerequisite:** successful completion of 3rd year core clerkships. Student must meet with course director for approval prior to registering for course.

## NEURO 797: Neurology Special Topics

5 Credits/Maximum of 5

Neurology Special Topics.

**Prerequisite:** successful completion of 3rd year core clerkships. Student must contact course director for approval prior to registering for this course.