

ELECTRONEURODIAGNOSTIC (END)

END-100 Introduction to Electroneurodiagnostics (2.5)

Provides an introduction to basic electroencephalographic concepts and techniques. Demonstrates instrumentation in the classroom and hands-on experience in the laboratory. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 3.0 lab

Pre/corequisite: Take BIO-168.

END-310 Electroneurodiagnostic Technical Science (7)

Provides theory and application of electrical concepts, recording techniques, data analysis and description. Arts & Sciences Elective Code: B
Hours per week: 2.0 lecture, 6.0 lab, 6.0 clinical

Prerequisite: Take BIO-168. Take END-100.

END-330 Electroneurodiagnostic Clinical Science (2)

Introduces students to electroneurodiagnosis, neurophysiology, functional neuroanatomy, normal and abnormal conditions, and correlates. Includes electroencephalographic signs of cerebral disorders. Studies specific neurological disease entities; integrates EEG patterns for cerebral disorders and diagnosis. Arts & Sciences Elective Code: B
Hours per week: 2.0 lecture

Prerequisite: Take BIO-168. Take END-100.

END-405 Neurodiagnostic Procedures (2)

Introduces other neurodiagnostic procedures performed in the EEG laboratory setting. Provides practical application and evaluation of neurodiagnostic procedures. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 2.0 lab

Prerequisite: Take END-810.

END-810 Electroneurodiagnostic Clinic I (6)

Focuses on clinical application of basic EEG techniques according to lab protocol under direct supervision of staff. Includes record review with physicians and correlative seminars. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 15.0 clinical

Prerequisite: Take END-310 Take END-330

END-830 Electroneurodiagnostic Clinic II (7.5)

Provides continued clinical recording techniques including a broad patient population and procedure range. Includes record review with physicians and correlative seminars. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 19.5 clinical

Prerequisite: Take END-810.

END-850 Electroneurodiagnostic Clinic III (5.5)

Provides clinical practice in performing electroencephalograms, evoked potentials, intraoperative monitoring and epilepsy. Record and review with physicians and correlative seminars are included. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 1.0 lab, 12.0 clinical

Prerequisite: Take END-405. Take END-830.

END-870 Sleep Technology (6.5)

Provides clinical practice in polysomnography using appropriate techniques according to protocol. Record and review with physicians and correlative seminars are included. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 1.0 lab, 15.0 clinical

Prerequisite: Take END-405. Take END-830.

END-924 Honors Project (1)

Allows a qualified honors student to pursue a special concentration of study under the guidance of a faculty member. Requires completion of an honors project contract. May be taken more than once. Arts & Sciences Elective Code: B; Comments: Requires approval of supervising professor and dean
Hours per week: 1.0 lecture