

# ELECTRONEURODIAGNOSTIC (END)

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## **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