**BOARD OF REGENTS**

**STATE OF IOWA**

**REGENT MERIT SYSTEM**

**Class Title: Electroneurodiagnostic Technician III Class Code: 3304**

**Pay Grade: 415**

**GENERAL CLASS DESCRIPTION:**

Under general supervision with minimal need for professional staff consultation, selects, constructs, modifies and maintains electronic equipment while providing medical patient care, testing and instruction. Performs electroneurodiagnostic tests for patients exhibiting a variety of physical and mental states, exercising judgment and initiative. Provides instruction and functional supervision to technologists and trainees. Assumes responsibility for designated areas and projects. Serves on a regular, stand-by and on-call basis.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

1. Performs all procedures required of Electroneurodiagnostic Technologist I and II classes.
2. Provides assistance and directs staff in problem-solving and troubleshooting to non-routine situations.
3. Assumes responsibility for assigned projects and develops methods of attaining unit goals.
4. Projects laboratory equipment and supply needs and maintains inventories.
5. Assists in developing new procedures and protocols.
6. Assists in scheduling work and assigning priorities for students/trainees and other support staff.
7. Serves as instructor for students/trainees, evaluating performance and providing reports as assigned.
8. Analyzes and plans the utilization of space, staff and equipment.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

1. Knowledge of electroneurodiagnostic techniques used in peripheral and central nervous system monitoring.
2. Knowledge of neurological, psychiatric, pediatric, metabolic and trauma disorders.
3. Knowledge of neuroanatomy and its application to the understanding of patient's condition.
4. Skill in operating computerized electrophysiological instrumentation requiring a knowledge base of analog-to-digital conversions.
5. Knowledge of maintenance requirements of specialized EEG equipment.
6. Knowledge of neurological and electrodiagnostic terminology, scientific notation, and general medical terminology.
7. Knowledge of electrical safety and interfaces with various electrical systems.
8. Ability to communicate with physicians, nurses, and other allied health personnel.
9. Ability to transport equipment weighing 350 - 400 lbs.
10. Ability to visually recognize minute electroneurophysiological activity and changes, and to predict appropriate testing methods.
11. Ability to teach and instruct others.
12. Ability to coordinate and direct activities within designated areas of responsibility.

**MINIMUM ELIGIBILITY REQUIREMENTS:**

1. Registration and certification by the American Board of Registration of EEG/BP Technologist (ABRET), Parts I and II.
2. Satisfactory completion of a two-year degree program in electroneurodiagnostic technology, or equivalent training and experience.
3. Two years experience as Electroneurodiagnostic Technologist II, or equivalent experience in a variety of testing modalities.
4. Minimum of five years supervisory experience.

H:(hr/classdes)3304 **REVISION EFFECTIVE: July 1, 1993**