

Master Syllabus

PTA 2230 - Neuromuscular Rehabilitation

Division: Health Sciences

Department: Rehabilitation Services

Credit Hour Total: 4.0

Lecture Hrs: 4.0

Prerequisite(s): PTA 1144

Other Prerequisite(s): AND Restricted to Majors

Date Revised: March 2015

Course Description:

Structure and function of the nervous system, including changes across the life span and impact on human development. Use of therapeutic interventions for neurological, cardiovascular and pediatric pathologies. Two classroom, four lab hours per week.

General Education Outcomes:

- Information Literacy Competency
- Critical Thinking/Problem Solving Competency
- Oral Communication Competency
- Written Communication Competency

Course Outcomes:

Life span

Identify age-related physiologic and pathologic processes which influence rehabilitation.

Assessment Method: Locally developed exams

Performance Criteria: Pass with 77% or better

Assessment Method: Standardized national examinations

Performance Criteria: Pass of national licensing examination with 75% or better

Developmental sequence

Demonstrate understanding of the developmental sequence and pediatric treatment interventions.

Assessment Method: Locally developed exams

Performance Criteria: Pass with 77% or better

Assessment Method: Standardized national examinations

Performance Criteria: Pass of national licensing examination with 75% or better

Neurologic pathologies

Describe neurologic pathologies and demonstrate treatment interventions using accepted techniques.

Assessment Method: Locally developed exams

Performance Criteria: Pass with 77% or better

Assessment Method: Performance appraisals

Performance Criteria: Complete 100% of skill competencies

Assessment Method: Simulations

Performance Criteria: Pass patient case presentation with 77% or better

Special populations

Integrate understanding of treatment interventions for special populations to include but not limited to amputation, bariatrics, lymphedema.

Assessment Method: Locally developed exams

Performance Criteria: Pass with 77% or better

Assessment Method: Simulations

Performance Criteria: Pass case study with 77% or better

Adaptive and assistive equipment

Describe and demonstrate use and application of adaptive and assistive durable medical equipment.

Assessment Method: Performance appraisals

Performance Criteria: 100% passage of skill competencies

Assessment Method: Simulations

Performance Criteria: Pass case study with 77% or better

Assessment Method: Standardized national examinations

Performance Criteria: Passage of national licensing examination with 75% or better

Assessment

Employ assessment methods and tools for use in documenting patient response to treatment interventions.

Assessment Method: Locally developed exams

Performance Criteria: Pass with 77% or better

Assessment Method: Written surveys and/or questionnaires
Performance Criteria: Complete 100% of documentation

Central and peripheral nervous system

Review and integrate knowledge of the nervous system with emphasis on anatomy and function.

Assessment Method: Locally developed exams
Performance Criteria: Pass with 77% or better

Outline:

Central and peripheral nervous system pathways
Changes across the life span/developmental sequence
Assessment methods/tools
Neurologic pathologies
Special populations: amputees, bariatrics, lymphedema
Prescription for adaptive and assistive durable medical equipment
Management of a disability or impairment