

## Master Syllabus

### PTA 1220 - Neuropathology

**Division:** Health Sciences

**Department:** Rehabilitation Services

**Credit Hour Total:** 1.0      **Lecture Hrs:** 1.0

**Prerequisite(s):** PTA 1120AND PTA 1125

**Other Prerequisite(s):** Restricted to Majors

**Date Revised:** July 2016

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### Course Description:

Structure and function of the nervous system; recognition of pathology and clinical rationale for the appropriate therapeutic management of commonly treated neurological diseases/conditions.

### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

### Course Outcomes:

#### Pathology

Students will understand the etiology and pathophysiology of various neurological pathologies.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

77% or higher on written lab assessments

**Assessment Method:** Locally developed exams

**Performance Criteria:**

77% or higher on written quizzes and exams

#### Roles/Responsibilities

Students will understand the role of the physical therapist assistant in the medical management and treatment of patients with various neurological pathologies.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

77% or higher on written lab assessments

**Assessment Method:** Locally developed exams

**Performance Criteria:**

77% or higher on written quizzes and exams

#### Clinical Reasoning

Students will be able to identify appropriate treatment techniques and when patient's response to physical therapy interventions requires modification or cessation.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

77% or higher on written lab assessments

**Assessment Method:** Locally developed exams

**Performance Criteria:**

77% or higher on written quizzes and exams

#### Intervention

Students will be able to select appropriate treatment interventions for the patients in varying stage of neurological disease.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

77% or higher on written lab assessments

**Assessment Method:** Locally developed exams

**Performance Criteria:**

77% or higher on written quizzes and exams

### Outline:

Motor planning and development

Functional outcome measures

Genetic disorders

Disorders of the basal ganglia

Cerebellar disorders

Alzheimer's disease