

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
PTH 227 - PATHOLOGICAL CONDITIONS (3 CR.)

Course Description

Studies specific pathologic conditions commonly seen in physical therapy. Emphasizes musculo-skeletal and neurological system conditions. Lecture 3 hours per week.

General Course Purpose

This course provides the student with information regarding pathological conditions commonly seen in physical therapy. The course is a system based approach to pathological conditions and includes a section on pharmacology and medical laboratory. Physical therapy evaluation findings, treatment goals and treatment outcomes are discussed appropriate to each pathological condition to enable the student to correlate didactic material regarding pathological conditions with the treatment of the conditions.

Course Prerequisites/Co-requisites

Prerequisites: BIO 141, BIO 142, or the equivalent

Course Objectives

Upon completion of this course, the student should be able to:

- Categorize selected pathologies based upon the major system involved in the pathology
- Describe selected pathologies according to etiology, pathological findings and clinical manifestations in the following systems/categories:
 - Musculoskeletal System
 - Nervous System
 - Pediatric and Congenital Conditions
 - Endocrine System
 - Excretory System
 - Vascular System
 - Infectious Diseases
 - Cardiovascular System
 - Respiratory System
- Identify at least one diagnostic test for each selected pathology
- Describe the affect of selected medications to human physiology
- Name normative values for selected laboratory tests and determine if reported results are above or below the normal value
- Look up varied medications in a variety of pharmacology resources and determine the clinical significance of their application/prescription given a named pathological condition

Major Topics To Be Included

- Pathology related to:
 - Musculoskeletal System
 - Nervous System
 - Pediatric and Congenital Conditions
 - Endocrine System
 - Excretory System
 - Vascular System
 - Infectious Diseases
 - Cardiovascular System
 - Respiratory System
- Pharmacology
- Medical laboratory testing/results as diagnostic indicators for pathologic conditions
- Physical therapy evaluation data
- Physical therapy treatment outcomes

Extra Topics (optional)

- Specialized diagnostic procedures
- Surgery observation
- Alternative therapy