

PTA 006: PATHOPHYSIOLOGY II

Originator

mawilson

Justification / Rationale

Modification to align class with CAPTE requirements

Effective Term

Fall 2022

Credit Status

Credit - Degree Applicable

Subject

PTA - Physical Therapist Assistant

Course Number

006

Full Course Title

Pathophysiology II

Short Title

PATH PHYSIO II

Discipline**Disciplines List**

Physical Therapy Assisting

Modality

Face-to-Face

Catalog Description

This course provides a more in-depth look at presentation and treatment methods of cardiac and pulmonary conditions and also addresses less common pathophysiology processes not covered in Pathophysiology I. Common impairments seen with each pathology along with the physical therapy assistant's role in addressing these impairments will be covered. The lab portion of the course will emphasize treatment techniques for the cardiac and pulmonary patient.

Limitation on enrollment: Admission to the Physical Therapist Assistant (PTA) Program

Schedule Description

This course provides a more in-depth look at presentation and treatment methods of cardiac and pulmonary conditions and also addresses less common pathophysiology processes not covered in Pathophysiology I.

Prerequisite: PTA 002

Advisory: ENG 061

Limitation on enrollment: Admission to the Physical Therapist Assistant (PTA) Program

Lecture Units

1

Lecture Semester Hours

18

Lab Units

1

Lab Semester Hours

54

In-class Hours

72

Out-of-class Hours

36

Total Course Units

2

Total Semester Hours

108

Prerequisite Course(s)

PTA 002

Advisory: ENG 061

Limitation on Enrollment

Admission to the Physical Therapist Assistant (PTA) Program

Class Size Maximum

25

Entrance Skills

Identify and employ prewriting activities.

Requisite Course Objectives

ENG 061-Use theses to organize paragraphs into coherent analyses.

Entrance Skills

Comprehend and summarize readings.

Requisite Course Objectives

ENG 061-Demonstrate the ability to read and respond in writing beyond the literal interpretation of the text.

Entrance Skills

Generate, develop, and organize ideas in writing.

Requisite Course Objectives

ENG 061-Recognize features of style such as purpose, audience and tone integrate these elements into academic and professional writing.

Entrance Skills

Describe the utilization of sterile procedures and infection control techniques.

Requisite Course Objectives

PTA 002-Summarize conditions and associated interventions of the cardiovascular, respiratory, gastrointestinal, genitourinary, hematologic, hepatic, immune, integumentary, and lymphatic systems.

Entrance Skills

Explain the function and anatomy of the cardiac and pulmonary systems.

Requisite Course Objectives

PTA 002-Summarize conditions and associated interventions of the cardiovascular, respiratory, gastrointestinal, genitourinary, hematologic, hepatic, immune, integumentary, and lymphatic systems.

Course Content

- Pathology of the cardiac system
 - Impairments
 - Role of PTA
- Pathology of the pulmonary system

- Impairments
- Role of the PTA
- Additional pathologies
 - Impairments
 - Role of PTA

Lab Content

- PT treatment techniques for the cardiac patient
- PT treatment techniques for the pulmonary patient
- PT treatment techniques for additional pathologies

Course Objectives

Objectives	
Objective 1	Explain and analyze the common impairments seen in patients with cardiac and respiratory pathologies.
Objective 2	Demonstrate competence in implementing airway clearance techniques including breathing exercises, coughing techniques, and secretion mobilization.
Objective 3	Consistently implement interventions to address functional training in self-care and in domestic, education, work, community, social, and civic life all while demonstrating consideration for patients' differences, values, and preferences.
Objective 4	Demonstrate competence in implementing patient education using teaching methods that are commensurate with the needs of the patient, caregiver, or healthcare personnel.
Objective 5	Competently perform components of data collection for aerobic capacity and endurance including the measurement of standard vital signs and respond effectively to patient and environmental emergencies that commonly occur in the clinical setting.
Objective 6	Articulate the means for and demonstrate competence in performing and accurately collecting and documenting data collection for ventilation, respiration, and circulation including the detection of respiratory distress, activities that affect edema, pain, dyspnea, and describe thoracoabdominal movements and breathing patterns.
Objective 7	Monitor and adjust interventions in the plan of care in response to the cardiac or pulmonary patient's status and clinical indications and any changes of patient status to the supervising physical therapist.
Objective 8	Proficiently collect anthropometric data including the measurement of height, weight, length, and girth.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Explain common impairments seen in patients with cardiac and pulmonary pathologies and analyze the PTA's role in addressing these impairments.
Outcome 2	Demonstrate effective physical therapy treatment techniques for patients with cardiac and pulmonary pathologies.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Demonstration, Repetition/Practice	Instructor demonstration followed by student practice with instructor feedback.
Discussion	Students begin in small groups to go over reading assignments and practice concepts on a smaller scale which builds into a large group discussion with the entire class.
Laboratory	Hands-on skill development. Labs include implementation of a variety of physical therapy treatment techniques with an emphasis on the cardiac and pulmonary patient.
Lecture	Instruction on the disease processes of various pathologies with common impairments and the PTA's role in addressing these impairments.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Laboratory projects	Skill development and assessment.	In and Out of Class
Mid-term and final evaluations	Check for learning. Mid-term and final exams given .	In Class Only

Assignments
Grade Methods

Letter Grade Only

MIS Course Data
CIP Code

51.0806 - Physical Therapy Technician/Assistant.

TOP Code

122200 - Physical Therapist Assistant

SAM Code

C - Clearly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

No

Files Uploaded

Attach relevant documents (example: Advisory Committee or Department Minutes)

2017 - Meeting Notes - 05-16-17.pdf

LMI_Physical Therapy_Dec2017.pdf

PTA 006 CO Approval Letter.pdf

Approvals

Curriculum Committee Approval Date

03/17/2022

Academic Senate Approval Date

03/24/2022

Board of Trustees Approval Date

04/22/2022

Chancellor's Office Approval Date

05/06/2022

Course Control Number

CCC000631405