

PTA 002: PATHOPHYSIOLOGY I

Originator

bkfitzpatrick

Co-Contributor(s)**Name(s)**

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Justification / Rationale

Course name and content modification to align with CAPTE requirements

Effective Term

Fall 2022

Credit Status

Credit - Degree Applicable

Subject

PTA - Physical Therapist Assistant

Course Number

002

Full Course Title

Pathophysiology I

Short Title

PATH PHYS

Discipline**Disciplines List**

Physical Therapy Assisting

Modality

Face-to-Face

Catalog Description

This course introduces common pathological conditions with emphasis on the following systems: cardiovascular, respiratory, gastrointestinal, genitourinary, hematologic, hepatic, immune, integumentary, and lymphatic. The role of physical therapy in the treatment of these conditions is covered as well as interventions commonly performed by the physical therapist assistant.

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

Schedule Description

Introduces common diseases and illnesses that involve the skilled intervention of the Physical Therapist Assistant.

Prerequisite: BI 014

Advisory: ENG 061

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

Lecture Units

3

Lecture Semester Hours

54

Lab Units

0

In-class Hours

54

Out-of-class Hours

108

Total Course Units

3

Total Semester Hours

162

Prerequisite Course(s)

Prerequisite: BI 014

Advisory: ENG 061

Limitation on Enrollment

Admission to the Physical Therapist Assistant (PTA) Program

Required Text and Other Instructional Materials**Resource Type**

Book

Author

Goodman, Catherine Cavallaro and Fuller, Kenda S.

Title

Pathology for the Physical Therapist Assistant

Edition

2nd ed.

Publisher

W.G. Saunders

Year

2016

College Level

Yes

Flesch-Kincaid Level

N/A

ISBN #

9780323395496

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 ObjectivesENG 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

Understand functional anatomy of cardiac and respiratory systems

Requisite Course Objectives

BI 014-Identify the location of major blood vessels and explain how blood pressure and blood flow are regulated.

BI 014-Explain the microscopic and gross anatomy of the heart.

BI 014-Identify the structures of the respiratory system.

Course Content

1. General Principles of Pathology
 - a. Disease
 - b. Etiology
 - c. Trauma
 - d. Infection
 - e. Physical Agents
 - f. Distributions of Blood Flow
 - g. Inflammation and tissue repair
2. Pathology of the Cardiovascular System
 - a. Physical therapy as part of the treatment of these conditions
3. Pathology of the Endocrine System
 - a. Physical therapy as part of the treatment of these conditions
4. Pathology of the Respiratory System
 - a. Physical therapy as part of the treatment of these conditions
5. Pathology of the Gastrointestinal System
 - a. Impact on Physical Therapy for these conditions
6. Pathology of the Genital & Reproductive Systems
 - a. Physical therapy as part of the treatment of these conditions
7. Pathology of the Hematologic System
 - a. Physical therapy as part of the treatment of these conditions
8. Pathology of the Hepatic System
 - a. Physical therapy as part of the treatment of these conditions
9. Pathology of the Immune System
 - a. Physical therapy as part of the treatment of these conditions
10. Pathology of the Immune System
 - a. Physical therapy as part of the treatment of these conditions
11. Pathology of the Integumentary System
 - a. Physical therapy as part of the treatment of these conditions
12. Pathology of the Lymphatic System
 - a. Physical therapy as part of the treatment of these conditions
13. Pathology of the Renal & Urologic Systems
 - a. Physical therapy as part of the treatment of these conditions
14. Chronic Pain
 - a. Role of Physical Therapy Interventions

Course Objectives

Objectives	
Objective 1	Identity current knowledge, theory, and clinical judgment and integrate it into evidence-based practice for the conditions covered in pathophysiology.
Objective 2	Examine health records and demonstrate how they affect outcomes for the conditions covered during pathophysiology.

- Objective 3 Describe how to use the ICF model when classifying varying patients.
- Objective 4 Identify “red flag” issues based on clinical indications for varying conditions and patient presentations.
- Objective 5 Summarize conditions and associated interventions of the cardiovascular, respiratory, gastrointestinal, genitourinary, hematologic, hepatic, immune, integumentary, and lymphatic systems.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:

- Outcome 1 Assess signs (i.e. observation, vital signs) and symptoms presented by a patient in order to make judgement.
- Outcome 2 Apply the prognosis of common pathological conditions to a physical therapy setting.
- Outcome 3 Apply physical therapy interventions in the context of common disease processes.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	Specific interactive activities pertaining to the learning unit materials. Activities include reflections, portfolio building, and patient program development.
Collaborative/Team	Cohort model within each class will be used to solve weekly prompts and case studies.
Discussion	Students get in small groups first to deepen learning. Each group shares with the class their discussions revolving around learning unit materials and lectures.
Lecture	Interactive activities are interspersed into course material. Lecture is broken up into 20 to 30 minute components to create an active learning environment. Reading assignments are done ahead of time so students can follow along.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Presentations/student demonstration observations	Students will present in class on a relevant topic which is prepared outside of class (6 hours total).	In and Out of Class
Mid-term and final evaluations	Mid-term and final exams given to check level of learning.	In Class Only
College level or pre-collegiate essays	A minimum of three case studies will be assigned.	Out of Class Only
Reading reports	Article discussion reports assigned for weekly readings (10 reports, one page each).	Out of Class Only

Assignments

Other In-class Assignments

Projects, Activities and Other Assignments

- Group presentations related to various health conditions

Other Out-of-class Assignments

Reading Assignments

- From assigned texts

Writing Assignments

- Case study on disease pathology

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 002 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

CCC000631401