

# Washtenaw Community College Comprehensive Report

## PTA 195 Introduction to Disease Effective Term: Winter 2024

### Course Cover

**College:** Health Sciences

**Division:** Health Sciences

**Department:** Allied Health

**Discipline:** Physical Therapist Assistant

**Course Number:** 195

**Org Number:** 15800

**Full Course Title:** Introduction to Disease

**Transcript Title:** Introduction to Disease

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Time Schedule , Web Page

**Reason for Submission:** Three Year Review / Assessment Report

**Change Information:**

**Course description**

**Outcomes/Assessment**

**Objectives/Evaluation**

**Rationale:** In our accreditation standards set by the Commission on Accreditation in Physical Therapy Education (CAPTE), there is mention of conditions seen across the lifespan. This occurs in standard 6D and 7B. I would like to update the course description to include lifespan to reflect on these standards.

**Proposed Start Semester:** Winter 2024

**Course Description:** In this course, students are introduced to the study of disease processes in humans. Areas of study will include the musculoskeletal, nervous, cardiovascular, pulmonary, renal and urologic, integumentary, lymphatic, endocrine and metabolic, gastrointestinal, genital and reproductive, immune, and hepatic and biliary systems. Medical conditions across the lifespan in all major systems will be presented. Emphasis will be placed on the impact of the disease/disorder on body systems and on patient mobility and function. Lecture and student projects will include the pathology, prognosis, medical interventions, and appropriate physical therapy interventions by the PTA under the direction and supervision of a licensed physical therapist.

### Course Credit Hours

**Variable hours:** No

**Credits:** 2

**Lecture Hours: Instructor:** 30 **Student:** 30

**Lab: Instructor:** 0 **Student:** 0

**Clinical: Instructor:** 0 **Student:** 0

**Total Contact Hours: Instructor:** 30 **Student:** 30

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

Audit

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

### College-Level Reading and Writing

College-level Reading & Writing

## **College-Level Math**

### **Requisites**

#### **Prerequisite**

PTA 180 minimum grade "C"

### **General Education**

### **Request Course Transfer**

#### **Proposed For:**

### **Student Learning Outcomes**

1. Identify risk factors, causes, and effects of selected pathological conditions and health-related events.

#### **Assessment 1**

Assessment Tool: Outcome-related departmentally-developed exam questions

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions.

Who will score and analyze the data: Program faculty

2. Compare common diagnostic procedures and outcome tools used in the diagnosis and monitoring of patients.

#### **Assessment 1**

Assessment Tool: Outcome-related departmentally-developed exam questions

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions.

Who will score and analyze the data: Program faculty

3. Correlate the implications of specific system pathologies or conditions on patient performance of therapeutic interventions performed by the physical therapist assistant under the direction and supervision of a licensed physical therapist.

#### **Assessment 1**

Assessment Tool: Outcome-related departmentally-developed exam questions

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions.

Who will score and analyze the data: Program faculty

### **Course Objectives**

1. Define etiology, pathology, and prognosis.

2. Summarize the risk factors, etiological factors, pathogenesis, and clinical manifestations of pathological conditions across the lifespan of the: musculoskeletal, nervous, cardiovascular, pulmonary, renal and urologic, integumentary, lymphatic, endocrine and metabolic, gastrointestinal, genital and reproductive, immune, and hepatic and biliary systems.
3. Relate any special implications, precautions, and contraindications for physical therapy in the context of pathology and health-related events across the lifespan.
4. Discuss the psychological considerations of illness and recovery.
5. Associate common diagnostic procedures used in the diagnosis and treatment of pathological and health-related conditions including electrocardiogram, pulmonary function studies, radiography, electromyography, magnetic resonance imaging, and computerized tomography.
6. Examine the results of common blood tests, physical performance measures, and diagnostic procedures and the implications on the execution of the plan of care developed by a licensed physical therapist.
7. Describe the role of physical therapy in health promotion and disease prevention.
8. Describe the influence of common pharmacological intervention on body systems and exercise.
9. Determine factors that affect tissue healing.
10. Assess factors of illness and disability and their influence on the achievement of short- and long-term goals identified in the plan of care.

### New Resources for Course

#### Course Textbooks/Resources

##### Textbooks

Goodman, C. & Fuller, K.. *Pathology: Implications for the Physical Therapist*, 5th ed. St. Louis: Elsevier Saunders, 2020, ISBN: 9780323673556.

##### Manuals

##### Periodicals

##### Software

#### Equipment/Facilities

Level III classroom

Testing Center

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
<b>Faculty Preparer:</b> <i>Ashley Bernstein</i>	<i>Faculty Preparer</i>	<i>Mar 23, 2023</i>
<b>Department Chair/Area Director:</b> <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Mar 27, 2023</i>
<b>Dean:</b> <i>Shari Lambert</i>	<i>Recommend Approval</i>	<i>Apr 28, 2023</i>
<b>Curriculum Committee Chair:</b> <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Aug 17, 2023</i>
<b>Assessment Committee Chair:</b> <i>Jessica Hale</i>	<i>Recommend Approval</i>	<i>Aug 24, 2023</i>
<b>Vice President for Instruction:</b> <i>Victor Vega</i>	<i>Approve</i>	<i>Aug 30, 2023</i>

## Washtenaw Community College Comprehensive Report

### PTA 195 Introduction to Disease Effective Term: Winter 2018

#### Course Cover

**Division:** Health Sciences

**Department:** Allied Health

**Discipline:** Physical Therapist Assistant

**Course Number:** 195

**Org Number:** 15800

**Full Course Title:** Introduction to Disease

**Transcript Title:** Introduction to Disease

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Time Schedule , Web Page

**Reason for Submission:** Three Year Review / Assessment Report

**Change Information:**

**Consultation with all departments affected by this course is required.**

**Course description**

**Outcomes/Assessment**

**Objectives/Evaluation**

**Rationale:** Updating Master Syllabus

**Proposed Start Semester:** Winter 2018

**Course Description:** In this course, students are introduced to the study of disease and disease processes in humans. Emphasis is placed on the impact of disease on body systems, development and rehabilitation. Lecture and student presentations will describe diagnosis and pathology, treatment, medication, prognosis and implications for physical therapy treatment by the PTA when working under the direction and supervision of a licensed physical therapist.

#### Course Credit Hours

**Variable hours:** No

**Credits:** 2

**Lecture Hours: Instructor: 30 Student: 30**

**Lab: Instructor: 0 Student: 0**

**Clinical: Instructor: 0 Student: 0**

**Total Contact Hours: Instructor: 30 Student: 30**

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

Audit

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

#### College-Level Reading and Writing

College-level Reading & Writing

#### College-Level Math

## **Requisites**

### **Prerequisite**

PTA 180 minimum grade "C"

## **General Education**

## **Request Course Transfer**

### **Proposed For:**

## **Student Learning Outcomes**

1. Describe risk factors, causes and effects of selected pathological conditions and health-related events.

### **Assessment 1**

Assessment Tool: Departmental final written examination (short answer and multiple choice)

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All students registered in the course

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions

Who will score and analyze the data: Program faculty

2. Identify the purpose of common diagnostic procedures used in the diagnosis and monitoring of patients.

### **Assessment 1**

Assessment Tool: Departmental unit and final written examinations (short answer, multiple choice, and matching)

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All students enrolled in the course

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions

Who will score and analyze the data: Program faculty

3. Describe the implications of specific system pathologies or conditions on patient performance of therapeutic interventions performed by the physical therapist assistant under the direction and supervision of a licensed physical therapist.

### **Assessment 1**

Assessment Tool: Departmental unit and final written examinations (short answer and multiple choice)

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All enrolled students

How the assessment will be scored: Answer Key

Standard of success to be used for this assessment: 80% of students will score 75% or higher on the outcome-related questions

Who will score and analyze the data: Program faculty

### Course Objectives

1. Define etiology, pathology and prognosis.
2. Describe the incidence, risk factors, etiological factors, pathogenesis, clinical manifestations and special implications for physical therapy for pathological and/or health-related conditions across the lifespan of the immune system, endocrine/metabolic system, integumentary system, cardiovascular system, pulmonary system, musculoskeletal system, genitourinary system, lymphatic system, reproductive and neurological system.
3. Identify the definitions and clinical manifestations of psychological pathologies across the lifespan.
4. Identify the influence of psychological pathologies on physical therapy interventions.
5. Describe common diagnostic procedures used in the diagnosis and treatment of pathological and health-related conditions including electrocardiogram, pulmonary function studies, radiography, electromyography, magnetic resonance imaging and computerized tomography.
6. Explain implications of the results of common diagnostic procedures on the implementation of the plan of care by the physical therapist assistant.
7. Describe the role of physical therapy in health promotion and disease prevention.
8. Describe the influence of common pharmacological intervention on body systems and exercise.
9. Identify precautions and contraindications to therapeutic procedures/interventions.

### New Resources for Course

#### Course Textbooks/Resources

Textbooks

Goodman C., K. Fuller. *Pathology; Implications for the Physical Therapist*, 4th ed. St. Louis: Elsevier, 2014, ISBN: 9781455745913.

Manuals

Periodicals

Software

#### Equipment/Facilities

Level III classroom

Testing Center

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
<b>Faculty Preparer:</b> <i>Patricia Hill</i>	<i>Faculty Preparer</i>	<i>Aug 03, 2017</i>
<b>Department Chair/Area Director:</b> <i>Connie Foster</i>	<i>Recommend Approval</i>	<i>Aug 06, 2017</i>
<b>Dean:</b> <i>Valerie Greaves</i>	<i>Recommend Approval</i>	<i>Aug 07, 2017</i>
<b>Curriculum Committee Chair:</b> <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Oct 23, 2017</i>
<b>Assessment Committee Chair:</b>		

*Michelle Garey*

*Recommend Approval*

*Oct 24, 2017*

**Vice President for Instruction:**

*Kimberly Hurns*

*Approve*

*Oct 25, 2017*