

Montgomery County Community College
 PTA 220
 Pathology & Rehabilitation of Special Populations and Conditions Across the Lifespan
 and Continuum of Care
 5 - 4 - 4

COURSE DESCRIPTION:

This course emphasizes the etiology, pathology, prevention, data collection, and selected physical therapy interventions for management of patients with a variety of long term conditions that benefit from rehabilitative services. The physical therapy related needs of the geriatric population are discussed as many of these conditions impact the elderly. Emphasis is placed on wound care and lower extremity amputation physical therapy interventions. This course is subject to a course fee. Refer to <http://mc3.edu/adm-fin-aid/paying/tuition/course-fees> for current rates.

REQUISITES:*Previous Course Requirements*

- PTA 100 Fundamentals of Physical Therapist Assisting and Data Collection
- PTA 110 Therapeutic Modalities in Physical Therapy
- PTA 125 Therapeutic Interventions for Physical Therapist Assisting

Concurrent Course Requirements

- PTA 200 Pathology & Rehabilitation of Special Populations and Conditions Across the Lifespan and Continuum of Care
- PTA 201 Physical Therapist Assistant Roles, relationships and Responsibilities

COURSE COMMENT

- Registration requires admission to the Physical Therapist Assistant Program

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Identify the role of the physical therapist assistant in the treatment of patients with selected conditions.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Practice	Practical Examinations Written Assignments Skills Competency Checks

2. Describe the role of the physical therapist assistant in the treatment of disorders of the vascular and lymphatic.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Practice	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
3. Describe the role of the physical therapist in the treatment of common women's health issues.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
4. Describe the role of the physical therapist assistant in the treatment of vestibular disorders.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application	Written Assignments Summative Written Examinations
5. Describe the role of the physical therapist in the treatment of common geriatric conditions.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
6. Discuss the principles of rehabilitation for patients with amputations.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
7. Discuss the role of the physical therapist assistant in the treatment of integumentary disorders.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations

8. Identify common physical therapy assessment techniques and treatment interventions utilized for patients with cardiac dysfunction.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
9. Identify common physical therapy interventions utilized for patients with pulmonary dysfunction.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
10. Demonstrate appropriate and effective patient/caregiver management utilizing interventions based on the physical therapy plan of care for patients with selected conditions.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Application	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS:

1. Review of Selected Systems
 - a. Coronary System
 - b. Pulmonary System
 - c. Integumentary System
 - d. Lymphatic System
 - e. Vestibular System
2. Standard Tests and Measures
 - a. Cardiac
 - b. Pulmonary
 - c. Integumentary
 - d. Lymphatic System
 - e. Vestibular System
3. Cardiovascular Disease and Disorders
 - a. Adult
 - b. Pediatric
 - c. Physical Therapy Interventions
4. Pulmonary Disease and Disorders

- a. Adult
- b. Pediatric
- c. Physical Therapy Interventions
- 5. Common Integumentary Disorders and Conditions
 - a. Inspection and Care of the Integument
 - b. Identification and Types of Wounds
 - c. Burns
 - d. Physical Therapy Interventions
- 6. Lymphatic Disorders
 - a. Physical Therapy Interventions
- 7. Vestibular Disorders
 - a. Physical Therapy Interventions
- 8. Lower and Upper Extremity Amputation
 - a. Prosthetic Fit and Usage
 - b. Physical Therapy Interventions
- 9. Arthritis
 - a. Medical Management of Individuals with Rheumatoid Arthritis and Osteoarthritis
 - b. Physical Therapy Interventions
- 10. Chronic Pain
 - a. Pain Physiology
 - b. Causes and Risk Factors for Chronic Pain
 - c. Psychosocial Factors Associated with Chronic Pain
 - d. Physical Therapy Management
- 11. Psychosocial Disorders
 - a. Psychosocial Adaptation
 - b. Personality and Coping Styles
 - c. Common Defense Reactions to Disability
 - d. Suggestions for Rehabilitative Intervention
- 12. Geriatric Rehabilitation
 - a. Fundamental Concepts in Geriatric Rehabilitation
 - b. Care of the Geriatric Patient
 - c. Special Considerations in Geriatric Rehabilitation Therapies

LEARNING MATERIALS:

Graves, R. (2013) *Clinical Decision Making for the Physical Therapist Assistant Across the Continuum of Care* (1st ed.). Philadelphia, PA: F.A. Davis Company.

O'Sullivan, S., Schmitz, T. and Fulk, G. (2019) *Physical Rehabilitation* (7th ed.). Philadelphia, PA: F.A. Davis Company.

Kisner, C. and Colby, L.A. (2017) *Therapeutic Exercise – Foundations and Techniques* (7th ed.). Philadelphia, PA: F.A. Davis Company.

Goodman, C. (2017) *Pathology for the Physical Therapist Assistant* (2nd ed.). St. Louis, MO: Elsevier

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Robert Cullen, PT, JD, MBA	Date: 9//2015
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed. D.	Date: 7/14/2016
Revised by: Debbie Dalrymple	Date: 12/17/2017
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 1/9/2018
Revised by: Robert Cullen	Date: 11/3/2020
VPAA or designee Compliance Verification:	Date: 12/11/2020



This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.