Montgomery County Community College
PTA 220
Pathology & Rehabilitation of Special Populations and Conditions Across the Lifespan and Continuum of Care
4 - 3 - 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 221 Clinical Education I
- PTA 202 Physical Therapist Assistant (PTA) Roles, Relationships and Responsibilities Seminar II

Concurrent Course Requirements
- PTA 210 Pathology & Rehabilitation or Neurological Conditions Across the Lifespan and Continuum of Care

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<thead>
<tr>
<th>LEARNING OUTCOMES</th>
<th>LEARNING ACTIVITIES</th>
<th>EVALUATION METHODS</th>
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<tr>
<td>Upon successful completion of this course, the student will be able to:</td>
<td>Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction Demonstration / Practice</td>
<td>Practical Examinations Written Assignments Skills Competency Checks</td>
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<td>1. Implement the plan of care established by the physical therapist for individuals presenting with selected conditions.</td>
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<td>2. Make appropriate decisions and adjustments in physical therapy interventions appropriate for selected conditions based on potential and actual patient responses.</td>
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<td>Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations</td>
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| 3. Apply standardized, objective and subjective data collection methods to record and relate changes that are commonly associated with the patient 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 |
| 4. Discuss the impact of commonly occurring psychosocial disorders in the adult on physical therapy interventions. | Lecture / Discussion  
Textbook Readings  
Supplemental Handouts  
Case Study / Application | Written Assignments  
Summative Written Examinations |
| 5. Describe common physical therapy interventions for the geriatric patient.     | 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:  


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

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.