

# PHYSICAL THERAPIST ASSISTANT EDUCATION

---

## **PTAE-101 PHYSICAL THERAPY IN HEALTH CARE 2.00 Credits**

This course studies the role of physical therapy in the health care world. Discussions include the role of the physical therapist assistant (PTA), the relationship between the PTA and the physical therapist (PT), and the delivery of physical therapy care. An introduction to the "patient/client" and the overall health care team is included. Health care ethics, standards specific to physical therapist assistants, diverse patient populations, and other topics are explored. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-107, PTAE-110, and PTAE-211.

## **PTAE-107 KINESIOLOGY 4.00 Credits**

This course will study human movement and the functional anatomy of the human body. The framework of musculoskeletal anatomy, muscle stabilization, balance, and function in daily activities is applied to physical therapy care. Normal and abnormal mechanics of body movement is explored. Students analyze tasks that span from simple activities of daily living to more complex occupational and athletic tasks. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-101, PTAE-110, and PTAE-211.

## **PTAE-110 PRINCIPLES AND PROCEDURES OF PATIENT CARE 3.00 Credits**

This course develops competencies in treatment interventions used by physical therapist assistants. The rationale for treatment, progression of treatment, and working under the direction of the physical therapist are emphasized. Students learn skills such as bed mobility, range of motion, transfers, gait training, assistive device use, and wheelchair mobility. Infection control and safety for patients, self, and others are emphasized. Pre-requisite: Admission to PTA program. Co-requisites: PTAE-101, PTAE-107, and PTAE-211.

## **PTAE-113 CLINICAL PATHOLOGY 2.00 Credits**

This course is an overview of basic disease progression and classification with special emphasis on the inflammatory response are presented in this course. Exploration of pathologies that include: oncology, developmental and genetic diseases, hemodynamic disorders, nutritional pathology, infectious disease, cardiovascular and pulmonary disorders, lymphatic, endocrine, and dermatological disorders. Musculoskeletal and other pathologies treated with physical therapy interventions are also explored. Pre-requisite: Admission to PTA program; PTAE-207, PTAE-208, and PTAE-217. Corequisites: PTAE-204, PTAE-240.

## **PTAE-204 THERAPEUTIC MODALITIES 3.00 Credits**

## **PTAE-207 THERAPEUTIC EXERCISE 4.00 Credits**

This course presents strengthening and conditioning principles and how these principles relate to rehabilitation of dysfunction. Students learn how range of motion, strength, endurance, power, speed, agility, balance, proprioception and kinesthesia relate to function and rehabilitation. Pre-requisite: Admission to PTA program; PTAE 101, PTAE 107, and PTAE 110. Corequisites: PTAE 208, PTAE 211, PTAE 217.

## **PTAE-208 ORTHOPEDIC REHAB 4.00 Credits**

This course emphasizes development, progression, and understanding of therapeutic exercise and other treatment practices for patients with musculoskeletal pathologies. Only those students who have successfully completed previous PTAE program coursework are eligible to enroll in this course. Pre-requisite: Admission to PTA program; PTAE 101, PTAE 107, and PTAE 110. Corequisites: PTAE 207, PTAE 211, PTAE 217.

## **PTAE-211 DATA COLLECTIONS 3.00 Credits**

This course will develop competence in the skills of measurements used in physical therapy. The use of goniometers, blood pressure cuffs, grip meters, and other tools of measurement are included. Analyzing gait, posture, and measuring muscle strength are included. Lab assessments include the reporting of observable and measurable data and their significance to patient progress. Emphasis is given to effective oral and written communication for reporting and documentation. Pre-requisite: Admission to PTA program; PTAE 101, PTAE 107, and PTAE 110.

## **PTAE-215 SPECIAL POPULATIONS 3.00 Credits**

Students are introduced to the therapeutic principles and practices underlying the treatment of patients with amputations, burns, cardiopulmonary pathologies and considerations, women's health issues, and selected age-specific disorders. Includes lab. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-204, PTAE-113, PTAE-240. Corequisites: PTAE 221, PTAE 241.

## **PTAE-217 NEUROLOGICAL REHABILITATION 4.00 Credits**

## **PTAE-221 SEMINAR 2.00 Credits**

Psychosocial considerations are reviewed with application to cultural/gender/aging/family dynamics in relation to disease, dysfunction, death and dying and the grieving process. In addition, caregiver self-care, assertive communication, and clinical burnout are presented. Includes an introduction to effective administration aspects of varied physical therapy environments. Preparation for entering the physical therapy workplace is also explored. A review of the required text with an emphasis on board exam study and test-taking strategies is included. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-204, PTAE-113, PTAE-240. Corequisites: PTAE 215, PTAE 241.

## **PTAE-240 CLINICAL AFFILIATION 1 7.00 Credits**

An 8-week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in their PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking, are practiced in a supervised setting. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-207, PTAE-208, PTAE-217. Corequisites: PTAE 204, PTAE 113.

**PTAE-241 CLINICAL AFFILIATION 2 7.00 Credits**

An 8-week, full-time clinical experience in a physical therapy clinical environment. Students use the competencies learned in their PTA technical courses to assist with treatment of patients/clients. Patient treatment, progression, rationale, and critical thinking are practiced in a supervised setting. Only those students who have successfully completed all previous PTAE courses are eligible to register for this course. Pre-requisite: Admission to PTA program; PTAE-240, PTAE-204, PTAE-113. Corequisites: PTAE 215, PTAE 221.