

Course Descriptions

PTA 1112 INTRODUCTION FOR PHYSICAL THERAPIST ASSISTANTS

Prerequisite: Admission to PTA Program.

Co-requisites: PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2205/L, PTA 2322

This course introduces the student to the physical therapy profession including the history of physical therapy from WWI and polio epidemic to the present and the role of the physical therapist and physical therapist assistant. Other topics include the legal, ethical, professional and regulatory aspects of physical therapy practice. Two hours lecture. Online format.

PTA 2303 PATHOPHYSIOLOGICAL CONDITIONS

Prerequisite: Admission to PTA Program.

Co-requisites: PTA 1112, PTA 2314/L, PTA 2203/L, PTA 2205/L, PTA 2322

This course will study disease pathophysiology, etiology, clinical signs and symptoms of many diseases, disorders and injuries seen in physical therapy. All body symptoms will be examined with emphasis on the cardiopulmonary, musculoskeletal, neurological and integumentary system. Medical, surgical, and physical therapy management of these diseases, disorders and injuries will be presented. Medical literature research is required. Three lecture hours. Online format.

PTA 2314/L MOVEMENT SCIENCE and LAB

Prerequisite: Admission to PTA Program.

Co-requisites: PTA 1112, PTA 2303, PTA 2203/L, PTA 2205/L, PTA 2322

Kinesiology is the study of musculoskeletal anatomy, posture and movement of the human body and the analysis of movement based on anatomical and mechanical principles. An understanding of the muscular system with regard to origin, insertion, and action of muscles, serves as the basis by which to study planes, axes of movements, the range and quality of functional movements, the actions of levers within the human body, and how muscular contraction affects movements, posture, and gait. Emphasis is given to the application of these principles to the understanding of human movement and/or athletic performance. Two hours lecture and two hours laboratory.

PTA 2203/L BASIC PATIENT CARE SKILLS and LAB

Prerequisite: Admission to the PTA Program.

Co-requisites: PTA 1112, PTA 2303, PTA 2314/L, PTA 2205/L, PTA 2322

This course introduces students to findings in the health record, basic patient care skills, body mechanics, and patient functional mobility. This course will further introduce the student to handwashing, personal protective equipment, and aseptic principles. Assistive devices will be introduced. Two hours lecture and one hour laboratory.

PTA 2205/L THERAPEUTIC AGENTS and LAB

Prerequisite: Admission to the PTA Program.

Co-requisites: PTA 1112, PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2322

This course will guide students through biophysical agents including: indications, applications/techniques, precautions and contraindications. Students will gain understanding in the implementation of massage as a modality. Three hours lecture and two hours laboratory.

PTA 2322 ADMINISTRATION AND MANAGEMENT FOR PHYSICAL THERAPIST ASSISTANTS

Prerequisite: Admission to the PTA Program.

Co-requisites: PTA 1112, PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2205/L

This course focuses on professional issues and behaviors related to clinical practice. It also addresses the administration and management of physical therapy practice and begins to prepare the student for a successful transition into the workforce. Three hours lecture.

PTA 2404/L THERAPEUTIC EXERCISE and LAB

Prerequisite: PTA 1112, PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2205/L, PTA 2323

Co-requisites: PTA 2403/L, PTA 2413/L

This course focuses on patient care interventions related to application of therapeutic exercise (extremity, spinal, osteoarthritis / rheumatoid arthritis, OB/GYN, pulmonary, cardiovascular, endurance), and range of motion exercises, stretching exercises, peripheral joint mobilization, resistive exercises, effective oral and written communication. Three hours lecture and one hour laboratory.

PTA 2403/L DATA COLLECTIONS and LAB

Prerequisite: PTA 1112, PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2205/L, PTA 2323

Co-requisites: PTA 2404/L, PTA 2413/L

This course focuses on the aspects of collecting data for objective measurements. Professional communication especially interview skills and the clinical application of special tests, manual muscle testing, sensory testing, goniometric measurements and gait cycle. Two hours lecture and one hour laboratory.

PTA 2413/L REHABILITATION TECHNIQUES and LAB

Prerequisite: PTA 1112, PTA 2303, PTA 2314/L, PTA 2203/L, PTA 2205/L, PTA 2323

Co-requisites: PTA 2404/L, PTA 2403/L

Physical therapy interventions such as airway clearance, wound care/debridement, environmental assessments, wheelchair management, aquatics, amputation/stump care and prosthetics; oral and written communication techniques with patient/family, the health care team, and the supervising PT. Students must demonstrate competency in the use of selected therapeutic interventions. Two hours lecture and one hour laboratory.

PTA 2424 CLINICAL PRACTICUM I

Prerequisites: PTA 2404/L, 2403/L, 2413/L

Co-requisites: none

Four-week clinical internship focusing on patient safety, handling techniques, gait training, vitals, implementation of modalities, therapeutic exercises, goniometry, posture assessment/treatment; muscle strength testing; ethical/legal practice; and documentation/communication.

PTA 2515/L NEUROREHABILITATION/ LAB

Prerequisites: PTA 2424

Co-requisite: none

This course focuses on the function of the nervous system, including the normal motor development motor control and motor learning through the lifespan. It also addresses the physical therapy management of neurological diseases/conditions. The home and community environmental barriers are addressed with those patients who have limitations in their functional status. Three hours lecture and two hours laboratory.

PTA 2524 CLINICAL PRACTICUM II

Prerequisites: PTA 2515/L

Co-requisites: PTA 2502

A five-week clinical internship focusing on patient safety, handling techniques, gait training, vitals, implementation of modalities, therapeutic exercises, goniometry, posture assessment/treatment; muscle strength testing; ethical/legal practice; and documentation/communication. Practicums II and III allow for further data collection and intervention skills including neurologic interventions.

PTA 2624 CLINICAL PRACTICUM III

Prerequisites: PTA 2524

Co-requisites: PTA 2502

A five-week clinical internship focusing on patient safety, handling techniques, gait training, vitals, implementation of modalities, therapeutic exercises, goniometry, posture assessment/treatment; muscle strength testing; ethical/legal practice; and documentation/communication. Practicums II and III allow for further data collection and intervention skills including neurologic interventions.

PTA 2502 PTA SEMINAR

Prerequisites: PTA 2515/L

Co-requisites: PTA 2524, PTA 2624

Review of PTA program content through systematic study of PTA assessment skills, PTA treatment implementation, and professionalism for the physical therapist assistant. Licensure preparation activities; interview and resume preparation. Online format.