

Physical Therapy (PT)

PT 101. Orientation Physical Therapy. 1 Credit.

Overview of the educational requirements, practice issues, and opportunities in the profession of physical therapy. Course content includes multimedia presentations, lectures, and observation in clinical settings.

PT 409. Clinical Pathology I. 3 Credits.

Selected pathological conditions affecting the musculoskeletal system. Associated orthopedic diagnoses, surgical interventions, the influences of co-morbidities and pharmaceutical interventions, and safety concerns are discussed with an application to physical therapy patient/client management during orthopedic rehabilitation. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. S.

PT 410. Clinical Pathology II. 3 Credits.

Selected pathological conditions of body systems, associated surgical interventions, the influence of co-morbidities, pharmaceutical interventions, and safety concerns are discussed with application to physical therapy patient/client management. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. SS.

PT 412. Biomechanics and Kinesiology. 4 Credits.

Biomechanics and kinesiology of musculature acting on the extremities and trunk. Clinical applications and evaluation of joint integrity and mobility, gait, range of motion and muscle performance. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. S.

PT 413. Exercise in Health and Disease. 3 Credits.

Basic foundation for theoretical and practical application of exercise science principles for physical therapists. Exercise science principles are applied to healthy individuals and individuals with disease, impairments, and/or functional limitations. Examination and intervention procedures incorporate aerobic capacity/endurance, anthropometric characteristics, and muscle performance activities. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. S.

PT 415. Motor Control. 3 Credits.

Lecture and laboratory work in therapeutic exercise to establish and maintain muscular control and coordination, including muscle re-education, facilitation, and relaxation. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum.

PT 417. Clinical Exam and Evaluation I. 4 Credits.

Emphasizes patient/client management elements of examination and evaluation. Emphasis is given to the musculoskeletal and neurological systems. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum.

PT 420. Musculoskeletal System Examination. 2 Credits.

Principles of musculoskeletal examination and evaluation including identification and palpation of surface anatomy, range of motion (ROM), measurement of joint ROM, and evaluation of muscle performance. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. F.

PT 422. Anatomy for Physical Therapy. 5 Credits.

Detailed lectures and demonstrations on musculoskeletal anatomy and neuroanatomy. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum.

PT 423. Neuroscience for Physical Therapy. 4 Credits.

Structure and function of the human nervous system including pathophysiology and clinical applications relevant to physical therapy practice. Prerequisite: Registered in Professional Physical Therapy Curriculum. F.

PT 426. Manual Therapy I. 2 Credits.

Introduction to joint mobilization/manipulation techniques. Emphasis is on mobilization/manipulation as it relates to peripheral joints and soft tissues of the human body. Basic examination, evaluation, and intervention techniques for the spine are also presented. Laboratory. Prerequisite: Registered in Professional Physical Therapy Curriculum. S.

PT 435. Introduction to Patient/Client Care and Interventions. 4 Credits.

Basic physical therapy patient care skills addressing multiple areas of physical therapy practice. A sample of topics address injury to the integument, select interventions for all patients, positioning of patients, vital signs, aseptic technique, and basic wheelchair techniques. Laboratory. Prerequisite: Registered in professional physical therapy curriculum. F.

PT 490. Special Topics:Physical Therapy. 1-4 Credits.

Introduction and investigation of advanced clinical procedures and topics. Topics discussed will be dictated by student and faculty interests. Prerequisite: Registered in Professional Physical Therapy Curriculum. Repeatable to 4.00 credits.

PT 491. Independent Study. 1-4 Credits.

Research and independent study in a specialized area of Physical Therapy. Prerequisite: Registered in Professional Physical Therapy Curriculum.