

Physical Therapy

PHTH 106. Patient Practitioner Interaction (3)

Prerequisites: PSYCH 169. Patient-practitioner interaction in health care, with an emphasis on the development of effective patient/therapist communication skills for a variety of health care situations, including patient education and chronic and terminal illness. FS

PHTH 107. Health Care Issues (3)

Analysis of the health care system and its influence on access to and delivery of health care services. Special focus on needs and mechanisms for integrated service delivery for prevention and care of acute and chronic illnesses and disabilities. FS

PHTH 119. Anatomy of the Appendicular Skeleton (3)

Prerequisite: BIOL 64. An in-depth study of the structure and function of the musculoskeletal system with a special emphasis on the joints of the upper and lower extremities. Includes a laboratory utilizing cadavers and prosected material to integrate muscle and tendon attachments with bony landmarks. Joint Structure and function will also be demonstrated. (2 lecture, 3 lab hours) (Instructional materials fee, \$35) FS

PHTH 125. Anatomy of the Axial Skeleton (4)

Prerequisite: BIOL 64. Study of the structure, function and biomechanics of the neuromusculoskeletal systems with emphasis on spine, pelvis, thoracic/peritoneal, visceral and temporomandibular joint. Includes dissection lab and prosected material. (3 lecture, 3 dissection lab hours) (Instructional materials fee, \$35) FS

PHTH 126. Applied Pathophysiology (3)

Prerequisite: BIOL 65. Advanced study of physiology of body systems and responses to normal aging, environmental influences, and pathological dysfunction. F

PHTH 127. Neuromuscular Processes in Human Development and Aging (3)

The study of human development from birth to senescence with focus on concepts of motor and neurological development processes integral to evaluation and treatment intervention in neurological disability. FS

PHTH 180T. Topics in Physical Therapy (1-3; max total 12 if no topic repeated)

Prerequisite: permission of instructor. Advanced techniques in physical therapy and new trends relating to the care of patients. FS

PHTH 190. Independent Study (1-3; max total 6)

See *Academic Placement—Independent Study*. Approved for *RP* grading. FS

GRADUATE COURSES *Physical Therapy (PHTH)*

PHTH 207. Foundations of Patient Assessment in Physical Therapy (3)

Selected theory and clinical application of examination, history, system review, and specific tests and measures which make up the assessment process for the patient receiving physical therapy.

PHTH 208. Foundations of Clinical Management in Physical Therapy (4)

Selected theory and clinical application of essential treatment procedures and interventions utilized in physical therapy practice including physical agents, massage, therapeutic exercise, and transfer and mobility training.

PHTH 209. Clinical Pathokinesiology (3)

Normal and abnormal biomechanics of the human body will be investigated with an emphasis on analyzing and synthesizing the component motion of joints of the upper and lower extremities, spine, and pelvis.

PHTH 217. Orthopedic Management in Physical Therapy I (4)

Analysis of musculoskeletal disabilities with emphasis on physical assessment, methods of therapeutic intervention, clinical decision making and program planning. Selected lectures by medical practitioners on medical-surgical management of orthopedic conditions. Focus of course will be dysfunction involving the extremities.

PHTH 218. Orthopedic Management in Physical Therapy II (4)

Prerequisite: PHTH 217. Analysis of musculoskeletal disabilities with emphasis on physical assessment, methods of therapeutic intervention, clinical decision making and program planning. Selected lectures by medical practitioners on medical-surgical management of orthopedic conditions. Focus of course dysfunction involving the spine and pelvic girdle.

PHTH 219. Advanced Therapeutic Technology (3)

Study of work station and ergonomic analysis as related to posture and gait. The theory and application of prosthetic and orthotic devices as applied to standing, sitting, and walking.

PHTH 226. Electrophysiologic Approaches to Patient Care (3)

Prerequisites: PHTH 126; BIOL 166. Exploration of advanced theories and principles related to the clinical use of electrophysiologic modalities. Includes electroneuromuscular stimulation for motor performance, nerve function, pain management and tissue repair. (2 lecture, 3 lab hours)

PHTH 227. Applied Neurosciences in Physical Therapy (4)

Advanced study in normal structure and function of the peripheral and central nervous system as a basis for understanding the clinical manifestations seen in neurological disorders including how a physical therapist would manage these manifestations.

PHTH 228. Management of Neurological Disorders in Physical Therapy I (3)

Advanced evaluation and treatment approaches to neurological disabilities in adults with emphasis on therapeutic intervention, program planning, and outcome measurements for the patient with neurological problems such as balance disorders, stroke, and Parkinson's disease.

PHTH 229. Management of Neurological Disorders in Physical Therapy II (3)

Advanced evaluation and treatment approaches to neurological disabilities in adults with emphasis on therapeutic intervention, program planning, and outcome measurements for the patient with neurological problems such as spinal cord injury, multiple sclerosis, and traumatic head injury.

PHTH 236. Physical Therapy Management of Body Systems (3)

Evaluation and therapeutic intervention in the clinical management of normal and pathological conditions of the cardiovascular, pulmonary, endocrine, and integumentary systems. A focus on the development of advanced knowledge and skills in patient evaluation, program planning, and treatment procedures.

PHTH 237. Physical Therapy Management in Pediatrics (3)

Prerequisites: PHTH 207, 208. Advanced study of diagnosis and physical therapy problems found in pediatrics. Evaluation and intervention principles are used to discuss and explore clinical manifestations associated with diseases and functional impairments. Emphasis will be placed on therapeutic intervention and program planning.