PHYSICAL THERAPY/ THERAPIST (PT)

PT 700, PROFESSIONALISM AND INTERPROFESSIONAL PRACTICE, 2 Credits
Introduction to the role of the professional in physical therapy practice. Topics of application include communication, professional behavior and abilities, ethics, legal issues, and responsibility for professional development.

PT 711, ANALYTICAL ANATOMY AND IMAGING, 4 Credits
Detailed kinesiologic analysis of appendicular, spine, head, neck, and face muscles. Lecture, clinical demonstration, and practical experiences.

PT 712, NEUROANATOMY AND NEUROSCIENCE, 5 Credits
Organized approach to structures in the brain, spinal cord and peripheral nervous systems. Detailed analysis of Neurophysiologic mechanisms underlying normal and abnormal motor sensory function.

PT 713, MUSCULOSKELETAL ANATOMY, 6 Credits
Musculoskeletal anatomy, innervation, blood supply, and function: intensive study of the head, neck, trunk, and limbs.

PT 716, CULTURAL COMPETENCE IN PHYSICAL THERAPY, 2 Credits
An exploration of how cultural competence is a critical core component of professional practice in physical therapy and should be considered as a part of the best practice in providing physical therapy care.

PT 717, GERIATRICS IN PHYSICAL THERAPY, 2 Credits
An overview of the Physical and Psycho-Behavior aspects of aging in adulthood. An introduction to usual and pathological changes and treatment issues relevant to older patients.

PT 718, PSYCHOSOCIAL ASPECTS OF DISABILITY, 2 Credits
A study of behavior, social structures and beliefs, and interaction patterns to support the scientific basis of the effective interactions of physical therapists with patients.

PT 719, PHYSICAL THERAPY IN RURAL COMMUNITIES, 2 Credits
An overview of major issues in the rural health care system and the environment in which physical therapists, as rural health clinicians, must function. Provides students with an understanding of the healthcare delivery system in rural America with a concentration on the diverse populations of the Northwest region of the United States.

PT 720, MOTOR DEVELOPMENT, 3 Credits
Examination of normal development of gross motor, fine motor, language, cognition, psychosocial, and play skills across the lifespan from in utero to young adulthood.

PT 721, MOTOR CONTROL AND LEARNING ACROSS THE LIFE SPAN, 4 Credits
Introduction to sensorimotor systems, overview of current perspectives in motor control and learning from fetus through late adulthood, and clinical tests of motor proficiency.

PT 722, PREVENTION WELLNESS AND POPULATION HEALTH, 3 Credits
A study of the development of wellness plans for individuals or families in the community. Students will learn to assess family health care needs, seek out community resources, and educate community members on specific issues related to their own health and well-being.

PT 723, MOTOR DEVELOPMENT, 3 Credits
Examination of normal development of gross motor, fine motor, language, cognition, psychosocial, and play skills across the lifespan from in utero to young adulthood.

PT 724, MOTOR CONTROL AND LEARNING ACROSS THE LIFE SPAN, 4 Credits
Introduction to sensorimotor systems, overview of current perspectives in motor control and learning from fetus through late adulthood, and clinical tests of motor proficiency.

PT 725, PREVENTION WELLNESS AND POPULATION HEALTH, 3 Credits
A study of the development of wellness plans for individuals or families in the community. Students will learn to assess family health care needs, seek out community resources, and educate community members on specific issues related to their own health and well-being.

PT 730, APPLIED PHYSIOLOGY, 3 Credits
Selected subjects in cellular and systems physiology. Emphasis on molecular and cellular aspects of neuromuscular function, also renal and endocrine physiology.

PT 731, CLINICAL EXERCISE PHYSIOLOGY, 4 Credits
Adaptation of the human body to exercise and the use of exercise to modify human function.

PT 740, THERAPEUTIC EXERCISE I, 3 Credits
Theoretical principles for evaluation of exercise need and prescription of exercise programs. Emphasis on approaches for patients with musculoskeletal deficits.

PT 741, THERAPEUTIC EXERCISE II, 3 Credits
Examination of needs analysis and prescription of exercise programs for special patient populations and assessment of current community trends in exercise and wellness.

PT 743, BUSINESS AND ADMINISTRATION IN PHYSICAL THERAPY, 3 Credits
Examination on the factors affecting patients entry into and progression through the healthcare system, including the effect of current financial, legal and regulatory policies that affect the patient, the patient/professional relationship, and the practice of physical therapy. Provides an overview of primary business disciplines including market research and strategy, marketing, finance, operations, and management.

PT 745, BASICS OF PATIENT MANAGEMENT, 1.6 Credits
Development of basic decision-making skills, professional behaviors and impairment assessment in patients with musculoskeletal, neurologic and/or cardiopulmonary dysfunction.
This course is repeatable for 6 credits.
PT 746, DISORDERS OF THE MUSCULOSKELETAL SYSTEM, 3 Credits
Regional description of pathology and pathophysiological mechanisms of disorders of bone, connective tissue, and joints.

PT 748, THERAPEUTIC MODALITIES, 3 Credits
An introduction to the management of pain and dysfunction using thermal, electrical and mechanical modalities used by Physical Therapists in general practice.

PT 750, CLINICAL BIOMECHANICS & GAIT, 5 Credits
Introduction to the principles of biomechanics as they apply to physical therapy practice. Emphasis on joint structure and function and tissue mechanics. Introduction to both normal and pathological gait including examination of joint kinematics, kinetics, and muscle activity.

PT 752, PROSTHETICS AND ORTHOTICS, 3 Credits
The examination of pathological gait of patients using prosthetic and orthotic devices. The course emphasizes types of orthotic and prosthetic devices, assessments, reassessment and corrections of gait deviations using therapeutic interventions geared toward functional interventions, patient/family education, exercises, and balance and coordination techniques.

PT 760, PHARMACOLOGY, 2 Credits
The study of prescription and/or over-the-counter medications used in the management of a variety of patient conditions encountered during physical therapy management.

PT 761, RESEARCH METHODS AND EVIDENCE BASED PRACTICE, 2 Credits
Introduction to evidence based practice, scientific methods, and clinical research methodologies.

PT 780, DIFFERENTIAL DIAGNOSIS, 4 Credits
Consideration of principles of differential diagnosis with emphasis on mastering this skill.

PT 791, MANAGEMENT OF CARDIOPULMONARY DYSFUNCTION, 2 Credits
Physical therapy evaluation and intervention in the care of patients with circulatory, cardiac, or pulmonary dysfunction.