

PHYSICAL THERAPY (PHTH)

PHTH 7940. Independent Study. 1-4 Credit Hours.

Prerequisites: By permission. May be repeated; maximum credit 4 hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and or laboratory research and field projects.

Course Type: Independent Study

PHTH 7960. Directed Readings. 1-4 Credit Hours.

Prerequisites: By permission. May be repeated with change of content; maximum credit 4 hours. Contemporary theoretical issues; significant research developments or special research ideas.

Course Type: Independent Study

PHTH 7990. Special Studies. 1-4 Credit Hours.

Prerequisites: By permission. May be repeated; maximum credit 4 hours. Contemporary theoretical issues; significant research developments or special research ideas.

Course Type: Independent Study

PHTH 8002. Concepts in Rehabilitation Sciences. 2 Credit Hours.

Prerequisites: By permission Cross Listed: OCTH 8002 This course introduces students to the professional competencies, shared theoretical models, historical foundations, clinical reasoning, and service delivery systems of occupational and physical therapy in rehabilitation. The course will use reading and assignments to emphasize the role of teamwork in the delivery of person-centered physical therapy and occupational therapy services.

Course Type: Lecture

PHTH 8034. Principles of Human Movement. 4 Credit Hours.

Prerequisites: By permission This course provides students with foundational knowledge in human movement. Students will learn and apply content on biomechanics and physiology of normal human movement, with additional emphasis on problem solving related to the functional anatomy of therapeutic activities and occupational performance.

Course Type: Lecture

PHTH 8074. Therapeutic Exercise Prescription. 4 Credit Hours.

Prerequisites: By permission This course completes a two-semester sequence that provides students with the foundational knowledge related to exercise. This course will focus on the application of information learned in course one to apply appropriate clinical reasoning in the prescription of exercise for a variety of different patients, clients, and situations.

Course Type: Lecture

PHTH 8112. Fundamentals of Physical Therapy. 2 Credit Hours.

Prerequisites: AHS 8415 This course will introduce the student to the brief history, philosophy, and theory of the practice of physical therapy, the influence of philosophy and theory in the current environment, and projected trends in the practice of physical therapy.

Course Type: Lecture

PHTH 8114. Orthopedic Management of Lower Extremities. 4 Credit Hours.

Prerequisites: PHTH 8393, PHTH 8362 This course addresses evidence-based practice that relate management of neuromuscular problems related to lower extremities including balance deficits, amputation, and diabetes.

Course Type: Lecture

PHTH 8122. Rehabilitation of Progressive Neurological Conditions in Adults. 2 Credit Hours.

Prerequisites: By permission Cross Listed: OCTH 8122 This course provides students with a framework for assessment and intervention for adults with progressive neurological conditions with an emphasis on the impact of contemporary theoretical approaches that guide practice and support effective rehabilitation outcomes.

Course Type: Lecture

PHTH 8152. Evidence Based Practice. 2 Credit Hours.

Prerequisites: AHS 8415 Multi-Level Course: OCTH 7162 This course provides students with foundational knowledge in human movement. Students learn and apply kinesiological and biomechanical principles to normal movement. Students progress to applying these principles to solving problems of movement disorders that interfere with function including posture, gait and reaching activities.

Course Type: Lecture

PHTH 8153. Clinical Process. 3 Credit Hours.

Prerequisites: By instructor permission. Multilevel Course: OCTH 8153 This course provides occupational and physical therapist students with content and practice in the clinical processes related to clinical reasoning, patient-care skills performance, and documentation for non-complex patient scenarios. All course content and activities emphasize and integrate interprofessional, client-centered communication. (Fall I)

Course Type: Lecture

PHTH 8154. Neurorehabilitation for Children. 4 Credit Hours.

Prerequisites: PHTH 8393, PHTH 8362 Cross listed: OCTH 8154 This course provides a framework for and strategies to address assessment and intervention for children with neurological disabilities resulting in sensory, motor, cognitive and/or behavioral impairments. Students explore the pathology of neurological conditions, assess person and environment characteristics, and develop context specific intervention plans and supports. Students apply psychological, cognitive, social, ecological and physiological principles to the selection of therapy intervention services and supports for children and their families. Students learn social perspectives of health and disability dominant and emerging service delivery models, laws that influence practice, and advocacy principles. The course integrates into intervention planning the principles of prevention of secondary conditions, maintaining wellness and promoting successful life-stage transitions. Family involvement as a member of the child's assessment and intervention is stressed.

Course Type: Lecture

PHTH 8172. Measurement in Clinical Practice. 2 Credit Hours.

Prerequisites: By instructor permission. This course covers measurement principles with application of tests and measures used in physical therapy practice. The course will review epidemiologic concepts and biostatistics with a focus on standardized outcome measures and application in the clinical setting. Students will understand the role of outcome measurements in value based care. (Spring II)

Course Type: Lecture

PHTH 8192. Exercise Science I. 2 Credit Hours.

Prerequisites: AHS 8415 Students review normal human physiology and apply physiological information to exercise and activity at both the cellular and organ levels. Students incorporate critical analysis and decision-making for exercise prescription applying biomechanical and kinesiological principles, principles of fitness assessment across the lifespan; concepts of exercise programs to enhance flexibility, strength, and endurance; exercise progression using current popular modes of exercise.

Course Type: Lecture

PHTH 8214. Orthopedic Management Axial Skeleton. 4 Credit Hours.

Prerequisites: AHS 8112, PHTH 8132, PHTH 8114, PHTH 8172, PHTH 8154, PHTH 9391, PHTH 8332 Students learn to apply evidence to support clinical care of persons with orthopedic spinal dysfunction, including the cervical region and shoulder girdle, the thorax and ribs, and the lumbo-pelvic and hip regions, and their associated neural and neuromuscular relations. (Fall)

Course Type: Lecture

PHTH 8234. Neurorehabilitation for Adults. 4 Credit Hours.

Prerequisites: AHS 8112, PHTH 8132, PHTH 8114, PHTH 8172, PHTH 8154, PHTH 9391, PHTH 8332 Cross Listed: OCH 8234 This course provides a framework for assessment and intervention for adults with progressive and non-progressive neurological conditions with an emphasis on the impact of contemporary theoretical approaches that guide practice and support effective rehabilitation outcomes. Students learn to apply evidence to support their patients/client management model with attention to neuropathology, pharmacology influences on intervention. Students develop skill for addressing the influences of payment systems and payer trends on rehabilitation services. They also develop therapist advocacy skills, including promoting home and community reintegration.

Course Type: Lecture

PHTH 8272. Aging Considerations for Physical Therapy Practice. 2 Credit Hours.

Prerequisites: By instructor approval. This course addresses physical, cognitive, and psychosocial changes associated with adult aging under normal processes, with developmental disabilities and/or with acquired conditions. Course content includes group and individual exercise considerations, aspects of self-determination, and aging in place considerations. (SP II)

Course Type: Lecture

PHTH 8274. Orthopedic Concepts and Management of the Upper Extremity Dysfunction. 4 Credit Hours.

Prerequisites: PHTH 8273, PHTH 8112, PHTH 8171, PHTH 8152, PHTH 8133, PHTH 8153, PHTH 8192 Cross listed: OCH 8274 Students acquire the foundational knowledge and skills required to manage problems of the musculoskeletal system. In this course, students learn and apply kinesiological, biomechanical, physiological and teaching principles specifically related to the upper extremity dysfunction with emphasis on joints, articulations and muscle function. Students make clinical designs that assist them to determine a diagnosis, predict outcomes, and develop comprehensive patient-centered treatment strategies for individuals of any age who have upper extremity musculoskeletal problems.

Course Type: Lecture

PHTH 8282. Clinical Reasoning in Physical Therapy I. 2 Credit Hours.

Prerequisites: By instructor permission. Students expand their foundation in assessment of clinical outcomes and rehabilitation research, and apply this knowledge as they analyze clinical research and practice examples. They learn to recognize potential error, bias, and misinterpretation of clinical practice data and research results. Students also practice interactive critical reasoning and clinical performance benchmarking. (Spring II)

Course Type: Lecture

PHTH 8292. Assistive Technology. 2 Credit Hours.

Prerequisites: AHS 8112, PHTH 8132, PHTH 8114, PHTH 8172, PHTH 8154, PHTH 9391, PHTH 8332 or by Permission Cross Listed: OCH 8292 The course will teach the use of assistive technology principles when evaluation individuals for assistive technology, and for recommending and implementing assistive technology with a team-oriented and family-centered approach. Students will be encouraged to utilize current research with the emphasis on best practices in their evaluation and clinical reasoning process.

Course Type: Lecture

PHTH 8303. Integrated Management of Complex Orthopedic Problems. 3 Credit Hours.

Prerequisites: Instructor permission. This course links with preceding orthopedic management courses to establish an integrated view of the musculoskeletal system using a regional interdependence perspective that includes the influence of other body systems. It addresses orthopedic conditions within person-centered, function-oriented, and evidence-based contexts and fosters advanced psychomotor and clinical reasoning development. (Spring II)

Course Type: Lecture

PHTH 8313. Differential Diagnosis. 3 Credit Hours.

Prerequisites: By instructor permission. The differential diagnosis course teaches students to evaluate data/information from the PT examination and apply that knowledge to determine when further examination or referral is needed. They will use the ICF framework as they apply clinical reasoning skills to develop a physical therapy diagnosis that guides patient management. (Spring I)

Course Type: Lecture

PHTH 8332. Teaching in Practice. 2 Credit Hours.

Prerequisites: PHTH 8393, PHTH 8362 Cross Listed: OCH 8332 In this course, students learn the theory and many elements of teaching and learning, examining the importance of these concepts in patient rehabilitation. Student therapists incorporate concepts that include motor learning, practice, teaching and learning principles, behaviorism, chaining and reinforcement, motivating, cueing, and using imagery into their decision making process. Students focus on cognition & learning styles of the therapist and of the patient and/or family. They complete a needs assessment for a patient while in practice during Clinical Education IV.

Course Type: Lecture

PHTH 8352. Clinical Practice Management I. 2 Credit Hours.

Prerequisites: By instructor permission. Cross listed: OCH 8352 This course prepares students to identify employment opportunities, participate in the employment seeking process, provide care as authorized by the Oklahoma Practice Acts and supervise personnel in an ethical, legal, and financially effective manner. Course completion will prepare students for employment in many health care settings and organizations. (Spring II)

Course Type: Lecture

PHTH 8362. Clinical Education I. 2 Credit Hours.

Prerequisites: AHS 8275, AHS 8433, PHTH 8293, PHTH 8274, PHTH 8312 Students will participate in a four-week supervised clinical experience in which they observe patient care, assume defined responsibilities for assessment, evaluation and intervention applying the knowledge and skills they have acquired in previous course work.

Course Type: Clinical

PHTH 8371. Effective Management of Environmental Activities in Athletic and Community Settings. 1 Credit Hour.

Prerequisites: PHTH 8214, PHTH 8352, PHTH 8272, PHTH 8292, PHTH 8234, PHTH 9112, PHTH 8282 This course provides the opportunity to learn to respond effectively to patient/athletic and environmental emergencies in one's practice or community settings. Student will also have the chance to examine community wellness needs related to the general population as a whole or specifically to recreational or competitive athletes.

Course Type: Lecture

PHTH 8372. Clinical Practice Management II. 2 Credit Hours.

Prerequisites: AHS 8112, PHTH 8132, PHTH 8114, PHTH 8172, PHTH 8154, PHTH 9391, PHTH 8332 Cross listed: OCH 8373 This course focuses is on the interconnections among the various segments of the health care system and the role of physical and occupational therapists as professionals in this system. Areas to be addressed include delivery organizations, billing and reimbursement, quality improvement, outcomes, fiscal management, business planning, marketing, and leadership skills.

Course Type: Lecture

PHTH 8383. Clinical Education II. 3 Credit Hours.

Prerequisites: PHTH 8214, PHTH 8352, PHTH 8272, PHTH 8292, PHTH 8234, PHTH 9112, PHTH 8282 and/or By Permission This course continues the application of accumulated clinical skills. Students will participate in an eight-week internship and make decisions about interventions, which include implementing alternatives to traditional care. Patient-family education, consultation, and use of extended care providers will be emphasized. Additionally, students will begin an outcome based study that they will present in the clinic.

Course Type: Clinical

PHTH 8393. Movement Science I. 3 Credit Hours.

Prerequisites: AHS 8275, AHS 8433, PHTH 8293, PHTH 8274, PHTH 8312 A multidisciplinary field of the science of human movement towards understanding the nature of movement. It encompasses development of movement and skill, control/dyscontrol, and learning. Begins with an in-depth look at contemporary theories of motor-development, control and learning, motor development, and mechanisms underlying control of movement, and progresses to dyscontrol of movement and recovery of function following injury or insult to the central nervous system (CNS). Explores the various tests and measures that are used to diagnose structural impairments and functional limitations associated with insult to the central nervous system. Introduces interventions for individuals with movement dysfunction such as the task-oriented, pharmaceutical, and surgical approaches.

Course Type: Lecture

PHTH 9014. Physical Therapy Management for Sport & Recreation. 4 Credit Hours.

Prerequisites: Instructor permission. Advances the student's knowledge related to assessment and treatment of injuries related to sport or recreation. It includes comprehensive physical therapy management of these injuries with focus on the unique aspects of acute management, complex movement, equipment issues, injury prevention, psychosocial considerations, and healthcare team management in this patient population. (Summer III)

Course Type: Lecture

PHTH 9112. Behavioral Science. 2 Credit Hours.

Prerequisites: By instructor permission. Course investigates complexities of human behavior, emphasizing therapist-patient interaction. It employs current psychological theory and evidence from experts in physical therapy, human relations, and psychology to explore the cognitive, psychosocial, and social-emotional aspects of human behavior with individuals throughout the lifespan. (Summer II)

Course Type: Lecture

PHTH 9124. Clinical Education III. 4 Credit Hours.

Prerequisites: PHTH 8252; PHTH 8373; PHTH 8383 and/or by Permission This course continues the application of clinical and professional skills that students have acquired in preceding classes, with this internship occurring in settings that differ from previous internship experiences and/or are allow for further breadth and depth of patient/client management.

Course Type: Clinical

PHTH 9132. Community Assessment/Planning. 2 Credit Hours.

Prerequisites: PHTH 8272, PHTH 8252, PHTH 8383, PHTH 8371 This course will focus on students developing assessment, critique and evaluation skills about community needs for rehabilitation services.

Course Type: Lecture

PHTH 9152. Clinical Reasoning in Physical Therapy II. 2 Credit Hours.

Prerequisites: PHTH 8272, PHTH 8252, PHTH 8383, PHTH 8371 The student uses all elements of clinical reasoning to analyze and resolve clinical cases in physical therapy.

Course Type: Lecture

PHTH 9173. Complex Medical Problems. 3 Credit Hours.

Prerequisites: PHTH 8332, PHTH 8373, PHTH 8383, This course addresses issues and areas of evidence-based practice that relate to the management of clients with integumentary disorders and complex medical conditions (e.g., endocrine, metabolic, and cancer related disorders), as well as the impact of these conditions on the person's life.

Course Type: Lecture

PHTH 9224. Clinical Education IV. 4 Credit Hours.

Prerequisites: PHTH 9192, PHTH 9132, PHTH 9152, PHTH 9172, PHTH 9124 and/or By Permission This is the final clinical course. Students will demonstrate competency of all clinical and professional skills at the entry level in the provision of patient services. Students will also demonstrate use of higher thinking skills necessary to respond to the demands of being an autonomous health care professional.

Course Type: Clinical

PHTH 9391. Interprofessional Case Management. 1 Credit Hour.

Prerequisites: By instructor permission. Cross listed: OCH 9391 Students learn from and with other professions by participating in interprofessional small groups facilitated by faculty members. Students examine the complex medical, environmental, and societal issues associated with a multi-part clinical scenario and review current literature related to points addressed in small group discussions. (Fall II)

Course Type: Lecture

PHTH 9432. Topics in Physical Therapy. 2 Credit Hours.

Prerequisites: PHTH 9192, PHTH 9132, PHTH 9152, PHTH 9172, PHTH 9124 The course will prepare students to address emerging and maturing practice areas in physical therapy. Part A-Licensure Preparation Part B-Emerging areas affecting practice including legislative updates, emerging areas of practice and professional development after graduation.

Course Type: Lecture