



**PHYSICAL THERAPY PROGRAM**  
**DOCTOR OF PHYSICAL THERAPY (DPT) COURSES 2021-2022**

**FIRST YEAR, Summer Semester**

**DPTR 5001 Clinical Anatomy I**

**5.0 cr.**

Prereq: matriculation in entry-level Physical Therapy Program.

This course follows a regional approach to gross anatomy of the musculoskeletal, circulatory and nervous systems of the upper and lower extremities, thorax and head and neck. Whole body donor dissection laboratory is included; supplemented by cross sectional anatomy, radiographic and digital imaging.

**DPTR 5171 Health Promotion and Wellness I**

**1.0 cr.**

Prereq: matriculation in entry-level Physical Therapy Program.

Health systems are moving toward population-based models of care to address the complex health needs of society, reduce costs, and eliminate disparities. PT practice is similarly growing beyond its historical roots to support population health activities. In this first of two courses, students will explore the multiple determinants of health and wellness – for themselves and their patients

**DPTR 5201 Examination & Evaluation I**

**2.0 cr.**

This course introduces the physical therapist's examination of the patient. This course will familiarize the student with the ICF framework and emphasize foundational examination skills including, manual muscle testing, goniometry and surface palpation.

**DPTR 5211 Foundations of Intervention I**

**2.0 cr.**

This course introduces basic intervention principles, including foundations of tissue healing and adaptation principles. Intervention techniques for posture and positioning, basic mobility with and without assistive devices, and thermal physical agents for improving functional mobility and for managing a variety of clinical populations are introduced.

**re**

**DPTR 5711 Professional Development I**

**2.0 cr.**

This course is the first in a series of courses on professional development. Students will explore self and begin the journey of becoming a physical therapist. This course emphasizes reflecting on personal and professional values, examining professional communication and behaviors, and developing foundational writing skills.

**FIRST YEAR, Fall Semester**

**DPTR 5011 Neuroscience**

**3.0 cr.**

This course provides a framework for understanding the structural and functional organization of the human nervous system. Principles and applications of neurophysiology, neuroanatomy and functional correlates are included. Finally, diseases and dysfunctions of the nervous system that are relevant to current practice are introduced.

**DPTR 5101 Movement Science I**

**3.0 cr.**

In this course, students investigate movement science principles with an emphasis on foundational biomechanical principles related to human posture and movement. Students are also taught the principles of functional task analyses.

**DPTR 5141 Human Growth & Development**

**2.0 cr.**

This course addresses functional movement across the life span in healthy individuals. Emphasis is on stages in life when the greatest changes in motor behavior occur and the factors that influence those changes. Developmental changes in all systems and their contributions to functional movement will be explored.

**DPTR 5151 Motor Control & Motor Learning**

**2.0 cr.**

This course presents the foundation of motor learning and control as it applies to optimal movement across the lifespan. Emphasis is on variables related to the individual, task composition, the environment and augmented information that enhance practice of motor skills. These principles are applied to physical therapist practice.

**DPTR 5202 Examination & Evaluation II**

**2.0 cr.**

Continuation of this course emphasizes developing a process of hypothesis generation to direct clinical decision making during the examination part of the patient encounter. Skill development includes examination techniques of the integumentary, cardiovascular/pulmonary, neuromuscular, and musculoskeletal systems, including analysis of human movement.

**DPTR 5212 Foundations of Intervention II**

**2.0 cr.**

Further introduction and advancement of foundational intervention principles and techniques including soft tissue mobilization, physical agents, and electrotherapeutic modalities. Emphasis is on the application of exercise as an intervention for improving functional mobility and for managing a variety of clinical problems.



**PHYSICAL THERAPY PROGRAM**  
**DOCTOR OF PHYSICAL THERAPY (DPT) COURSES 2021-2022**

**DPTR 5621 Evidence Based Practice**

**3.0 cr.**

This course introduces the fundamentals of evidence-based practice and application to clinical cases. Emphasis is on searching, selection, and appraisal of the literature to answer clinical questions regarding physical therapy tests and measures, interventions, and prognosis.

**DPTR 5901 Integrated Clinical Experience I**

**1.0 cr.**

Short-term clinical education experience providing initial foundation and understanding of clinical practice with emphasis on integration of didactic and clinical learning while working in a student team.

**FIRST YEAR, Spring Semester**

**DPTR 5111 Exercise Science**

**2.0 cr.**

This course will provide students with the current state of knowledge in the physiology of exercise. A systems approach will be used to provide a thorough understanding of the acute and chronic adaptations to exercise training, with an emphasis on the mechanisms underlying these adaptations.

**DPTR 5161 Psychosocial Aspects of Care I**

**1.0 cr.**

This course is focused from the perspective of the practitioner as a person. General psycho-emotional issues and specific theories related to: practitioner self-awareness, emotions, spirituality, grief-loss-mourning, psych factors associated with the experience of pain will be presented. Introduction to motivational interviewing is included.

**DPTR 5301 Medical Conditions I**

**4.0 cr.**

This course highlights the physical therapy management of patients with cardiovascular, pulmonary and metabolic disorders across the lifespan and healthcare settings. Physiology, medical management, diagnostic testing, clinical decision-making and medical screening are covered with implications for physical therapist's practice.

**DPTR 5401 Musculoskeletal Conditions I**

**4.0 cr.**

This course introduces the examination, physical therapy management and clinical reasoning necessary for the management of individuals with musculoskeletal disorders across the life span. This course covers lower quarter from the lumbopelvic region to the foot and ankle. Medical management, including radiology and pharmacology, are covered with implications for physical therapy management.

**DPTR 5501 Neuromuscular Conditions I**

**3.0 cr.**

Clinical decision-making frameworks for management of people with neurologic conditions with an emphasis on stroke and cerebral palsy. Clinical skills are taught for examination, evaluation, and intervention across the lifespan and across settings. Evidence based practice and manual guidance are emphasized for intervention.

**DPTR 5631 Clinical Reasoning I**

**1.0 cr.**

This introductory course teaches students to integrate current evidence with critical reasoning in the ICF framework to facilitate patient-centered decision making in the examination, prognosis, and intervention for elementary patient cases across a variety of clinical practice settings.

**DPTR 5731 Healthcare Delivery I**

**1.0 cr.**

The course will include a basic overview of healthcare systems and payment systems. Concepts relevant to supervision and applicable laws to physical therapist practice will be reviewed, and patient quality improvement and safety will be introduced.

**SECOND YEAR, Summer Semester**

**DPTR 6002 Clinical Anatomy II**

**3.0 cr.**

This course follows a regional approach to gross anatomy of the systems of the abdomen and pelvis and supplemented by cross sectional anatomy radiographic and digital imaging. An in-depth study of upper and lower extremity arthrology through whole-body donor dissection is included.

**DPTR 6402 Musculoskeletal Conditions II**

**2.0 cr.**

This course continues the examination, physical therapy management and clinical reasoning necessary for the management of individuals with musculoskeletal disorders across the life span, focusing on the cervicthoracic spine and temporomandibular disorders. Medical management, radiology and pharmacology are covered with implications for physical therapy management.

**DPTR 6502 Neuromuscular Conditions II**

**2.0 cr.**

This course explores progressive neuromuscular conditions across the lifespan and applies clinical decision-making frameworks to the physical therapy management of these diagnoses. Emphasis is placed on evidence-based practice, tests and measures, functional prognoses, and intervention strategies. Interaction with patient/caregiver and interprofessional team will be discussed.



**PHYSICAL THERAPY PROGRAM**  
**DOCTOR OF PHYSICAL THERAPY (DPT) COURSES 2021-2022**

**DPTR 6931 Clinical Education I**

**5.0 cr.**

Eight-week, full-time clinical experience providing students with the opportunity to take on responsibilities of the professional physical therapist, including beginning to manage a caseload and participating in a healthcare team.

**SECOND YEAR, Fall Semester**

**DPTR 5162 Psychosocial Aspects of Care II**

**2.0 cr.**

Builds on knowledge, skills and attitudes gained in DPTR 5161 with additional focus on general issues and theories related to: changing behaviors, depression and anxiety, sexuality in rehabilitation, suicidal behavior, addiction in society, stress management and conflict resolution.

**DPTR 6102 Movement Science II**

**2.0 cr.**

In this course, students investigate movement dysfunction in the context of aging, clinical tests & measures, and prosthetics & orthotics. The prosthetic & orthotic unit is designed to build student competency in clinical management of individuals who require use of common prosthetic and orthotic devices.

**DPTR 6302 Medical Conditions II**

**2.0 cr.**

This course continues the physical therapy management of patients with varied medical conditions (cancer; rheumatic) occurring across the lifespan and health care settings. Physiology, medical management, diagnostic testing, clinical decision making and medical screening are covered with implications for physical therapist's practice.

**DPTR 6403 Musculoskeletal Conditions III**

**20 cr.**

This course continues the examination, physical therapy management and, clinical reasoning necessary for the management of individuals with musculoskeletal (MSK) disorders across the life span, focusing on upper extremity conditions. MSK medical management, radiology and pharmacology are covered with implications for physical therapy management.

**DPTR 6404 Musculoskeletal Conditions IV**

**2.0 cr.**

This course continues the examination, physical therapy management and clinical reasoning necessary for the management of individuals with musculoskeletal (MSK) disorders across the life span, focusing on pediatric, adolescent, geriatric, working adults and gender-specific conditions within the continuum of care. MSK medical management, radiology and pharmacology are covered with implications for physical therapy management.

**DPTR 6503 Neuromuscular Conditions III**

**4.0 cr.**

This course progresses and synthesizes clinical skills, decision-making and reasoning using frameworks and evidence applied to the physical therapy management for people with neurological conditions across the lifespan. Primary topics include vestibular disorders, traumatic/acquired brain injury, developmental and genetic disorders, and spinal cord injury.

**DPTR 6632 Clinical Reasoning II**

**1.0 cr.**

This advanced course teaches students to integrate current evidence with critical reasoning in the ICF framework to facilitate patient-centered decision making in the examination, prognosis, and intervention for complex patient cases across a variety of clinical practice settings.

**DPTR 6712 Professional Development II**

**2.0 cr.**

Explores professional roles and responsibilities related to the DPT. Extends beyond patient management to policy, advocacy, teamwork and practice settings. Overview of history of profession and our professional organization, current issues and trends. Looks at career options and post-professional opportunities.

**DPTR 6902 Integrated Clinical Experience II**

**1.0 cr.**

Two-week clinical education experience with emphasis on advanced clinical reasoning. Students will also gain breadth of experience and apply practical skills and psychosocial aspects of care through a team-based approach.

**SECOND YEAR, Spring Semester**

**DPTR 6303 Medical Conditions III**

**3.0 cr.**

This course continues the physical therapist management of medical conditions. Integumentary, endocrine, transplant, geriatric and ICU care are emphasized. Physical therapist's clinical decision-making and differential diagnosis are advanced while integrating physiology, medical and pharmacological management and diagnostic testing.

**DPTR 6633 Clinical Reasoning III**

**2.0 cr.**



**PHYSICAL THERAPY PROGRAM**  
**DOCTOR OF PHYSICAL THERAPY (DPT) COURSES 2021-2022**

This course requires students to integrate evidence, patient values, and clinical expertise with the ICF model of clinical decision making for actual patient cases. Students will identify and answer focused questions regarding examination, intervention, and prognosis through literature searches and online collegial discussion forums.

**DPTR 6713 Professional Development III**

**1.0 cr.**

Introduction to leadership in healthcare including leadership styles/characteristics. Explores preparation for professional development opportunities following licensure including continuing education, consideration of salary/benefits/debt/etc, and the first position as a new professional. Discussion about career expectations, moving through the continuum of novice to expert, debate, and developing one's professional identity/potential.

**DPTR 6732 Healthcare Delivery II**

**3.0 cr.**

Continued from HCD I. Focus on issues impacting the practice of physical therapy in diverse health care settings. Applicable laws will be revisited and expanded. Administration of physical therapist practice including management, marketing, human resources, risk management and financial management will be introduced.

**DPTR 6932 Clinical Education II**

**6.0 cr.**

This is a 10-week, full-time supervised clinical experience. Experience with emphasis on increasing independence in management of patients, becoming an integral member of the healthcare team and using self-assessment for professional development.

**DPTR 7112 Applied Exercise Science**

**3.0 cr.**

This course will focus on exercise prescription for complex patients with chronic multi-system disease. Emphasis will be on addressing barriers and clinical decision-making to tailor appropriate rehabilitation interventions to medically-complex patient populations.

**THIRD YEAR, Summer Semester**

**DPTR 7171 Health Promotion & Wellness II**

**3.0 cr.**

Students will apply fundamental concepts learned in HPWI to further understand individual, social and structural determinants of health. Equipped with this knowledge, they will work to design interventions and programs that promote health at the individual and community level.

**DPTR 7212 Elective**

**1.0 cr.**

PT Core and Clinical Faculty Prereq: DPT students only.

Various topics; provides students with the opportunity to explore selected topics, related to clinical practice, in depth or topics that are outside of the scope of the set curriculum.

**DPTR 7641 Integrated Practice**

**3.0 cr.**

A synthesis of curricular content applied to highly complex situations illustrative and inclusive of clinical practice across the lifespan. Through retrospective and prospective reasoning, students will analyze, and articulate decisions based on reasoning, evidence, and contextual realities with colleagues across health care professions.

**DPTR 7651 Clinical Reasoning Capstone**

**4.0 cr.**

Final course in the clinical reasoning sequence requires students to articulate and defend their clinical decision-making process in the exam, eval, management, and outcome assessment for a selected patient. Students will synthesize and integrate the evidence to inform decision making throughout each aspect of the patient management process.

**THIRD YEAR, Fall Semester**

**DPTR 7933 Clinical Education III**

**10.0 cr.**

Terminal clinical experience with emphasis on professional identity formation and functioning as an entry-level clinician within the complexities of the healthcare system. Students will develop a deeper understanding of the role of the physical therapist within the profession and broader society. First phase of the optional yearlong internship.

**Independent Study**

**1.0-3.0 cr.**

An Independent Study option is available each semester. This course provides students with an opportunity to pursue content of their own choosing under guidance of a faculty mentor.

**Humanities**

Humanities will occur in each year of the program. Each humanities session exposes the student to stories of illness, disability, and accident, as a way to provide an exploration and analysis imaginative materials such as film, poetry and fiction that represent the vagaries of the human condition across the lifespan.

**Interprofessional Education Course Series**



Physical Therapy

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO  
ANSCHUTZ MEDICAL CAMPUS

**PHYSICAL THERAPY PROGRAM**  
**DOCTOR OF PHYSICAL THERAPY (DPT) COURSES 2021-2022**

**IPCP 5000 Interprofessional Collaborative Practice**

This course develops core competencies in teamwork and collaboration for incoming health professions students. Students will learn in interprofessional teams coached by interprofessional faculty to develop essential communication skills and processes for simultaneous and sequential teams and provide feedback on individual and team performance to improve interprofessional collaboration.

**Interprofessional Healthcare Ethics and Health Equity**

This course develops foundational knowledge and basic practical skills to identify, analyze, and resolve ethical and health equity issues in clinical practice. This course integrates interprofessional collaboration and teamwork to teach students ethical theory and reasoning, professional ethics and its historical origins, and approaches to health care decision-making.

**IPED Clinical Transformations**

Clinical transformations is an interprofessional learning experience conducted at the Center for Advancing Professional Excellence, and is a collaborative health care simulation mimicking real life scenarios in a structured and safe environment. The AHRQ TeamSTEPPS (Team Strategies and Tools to Enhance Performance and Patient Safety) Framework will be used.