

PHYSICAL THERAPY (PHY THER)

PHY THER 500 – FUNCTIONAL NEUROANATOMY FOR PHYSICAL THERAPY

3 credits.

Development, structure, regions and function of the nervous system are covered with the purpose of providing insight into the clinical treatment of common neurological conditions. General principles of the development, connectivity and blood supply of both the central and peripheral nervous system (spinal cord, brainstem, and above the brainstem) are taught.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Fall 2025

Learning Outcomes: 1. Summarize the main structures and functions within the major divisions of the nervous system (brain and spinal cord), peripheral and autonomic nervous systems.

Audience: Graduate

2. Describe how regions of the nervous system interact to perform specific functions.

Audience: Graduate

3. Describe the functional consequences of damage to the nervous system (e.g., as in ischemic stroke syndromes).

Audience: Graduate

4. Determine the location of neural damage through a synthesis of signs and symptoms of the functional neuroanatomy.

Audience: Graduate

5. Describe the neural underpinnings of symptoms encountered and addressed through the practice of physical therapy.

Audience: Graduate

PHY THER 501 – ANATOMICAL APPLICATIONS IN PHYSICAL THERAPY

3 credits.

Application of anatomy and palpatory skills in a clinically-oriented environment. Focus is on applied anatomy, kinesiology, posture, movement analysis, medical terminology.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 512 – PRINCIPLES OF PROFESSIONAL PRACTICE AND ADMINISTRATION

3 credits.

Ethics, organization and administration of physical therapy departments. Planning and correlation of hospital and community health services.

Study background, organization and responsibilities of health care team members in hospital services and programs.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

PHY THER 521 – PHYSICAL AGENTS

2 credits.

The scientific rationale for and the clinical application of thermal, electrical, and mechanical agents in physical therapy practice.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 523 – CARDIOVASCULAR AND PULMONARY ASPECTS OF PHYSICAL THERAPY TREATMENT

3 credits.

Covers: 1) methods used in physical therapy (PT) management of cardiovascular and pulmonary disease, 2) influence of coexisting cardiovascular and pulmonary dysfunction on PT treatment for other primary diagnoses, and 3) screening for occult cardiovascular and pulmonary disease.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Fall 2025

PHY THER 527 – FOUNDATIONS OF PHYSICAL THERAPY: EXAMINATION AND EVALUATION

4 credits.

Lab-based course that introduces history taking and physical examination skills germane to assessment of patients with orthopedic and neurologic diagnoses in inpatient and outpatient settings. Introduces clinical decision-making and documentation skills with a focus on examination tests and measures. Labs involve the psychomotor application of exam skills. Outside activities with community partners are an integral part of the course.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Fall 2025

PHY THER 534 – FOUNDATIONS OF PHYSICAL THERAPY INTERVENTION

4 credits.

Examination for exercise design, implementation, and progression. Range of motion, flexibility, joint mobilization, balance/gait training, proprioceptive neuromuscular facilitation, balance, coordination, agility training, body mechanics, postural stabilization, resistive and endurance training, aquatic therapy, relaxation, manual traction, massage. Scientific rationale for treatment interventions.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2026

PHY THER 538 – INTRODUCTION TO THE PHYSICAL THERAPY PROFESSION AND PROFESSIONALISM

1 credit.

Professional attitudes, beliefs, behaviors relevant to physical therapy practice through the Guide to Physical Therapist Practice, APTA history, Generic Abilities, APTA Code of Ethics, APTA Core Values, PT roles and practice settings, professional autonomy, health care teams, professional learning opportunities.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Summer 2025

PHY THER 539 – PHYSICAL THERAPY EDUCATION AND LIFESPAN LEARNING ISSUES

1 credit.

Instructional design, learning theories and styles throughout the lifespan, literacy issues, professional presentations and posters, the physical therapist as educator, professional behaviors and emotional preparation for the clinic.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2025

PHY THER 540 – PSYCHOSOCIAL ASPECTS OF HEALTH CARE

1 credit.

Professional attitudes, beliefs and behaviors relevant to physical therapy practice. Communication issues related to caregiving, multidisciplinary teams, conflict management, body image, psychosocial aspects of aging, stages of loss, collaborative care, and family-centered care.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2026

PHY THER 541 – ISSUES OF CULTURE AND DIVERSITY IN HEALTH CARE

1 credit.

Students will explore their own backgrounds and will learn constructs of cultural competency; cultural beliefs and practices; impact of diversity issues such as SES, sexual preference, disability, educational level, ethnicity and race; and the culture of medicine.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2025

PHY THER 542 – MEDICAL ETHICS, JURISPRUDENCE, AND HEALTH CARE REGULATIONS

1 credit.

Provides an introduction to medical ethics and jurisprudence as they apply to physical therapy. Includes information on health care regulatory agencies and health care regulations.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Summer 2025

PHY THER 543 – PROFESSIONAL PRACTICE ISSUES IN PHYSICAL THERAPY

1 credit.

The final of six seminar courses, this course will present issues that will assist the physical therapist student transition into the profession during and following their final clinical internships.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2026

PHY THER 627 – CLINICAL DECISION-MAKING: TISSUE MECHANICS AND ADAPTATIONS

3 credits.

Addresses the cardiovascular, pulmonary, neuromuscular and connective tissue properties and adaptations that influence human movement through the lifespan. Through an understanding of the system integration, gain an appreciation of the physiological complexities underlying human movement.

Requisites: Declared in Doctor of Physical Therapy program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2025

**PHY THER 628 – CLINICAL DECISION MAKING:
NEUROMUSCULAR MECHANICS AND CONTROL**

4 credits.

Addresses the mechanics and control of the neuromuscular and skeletal systems as they relate to human movement. Neural control of movement is discussed in detail with specific emphasis on theories underlying recruitment of muscle in health and disease.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2026**PHY THER 635 – MOTOR CONTROL DYSFUNCTION:
EXAMINATION, DIAGNOSIS, AND MANAGEMENT I**

5 credits.

Application of motor control and motor learning principles to the examination, diagnosis, and management of people with movement disorders stemming from CNS pathology. Emphasis on neurological interventions across the lifespan.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2025**PHY THER 636 – MOTOR CONTROL DYSFUNCTION:
EXAMINATION, DIAGNOSIS, AND MANAGEMENT II**

5 credits.

Application of motor control and motor learning principles to the examination, diagnosis, and management of people with movement disorders from spinal cord injuries, PNS dysfunction and progressive disorders of the CNS.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2026**PHY THER 640 – SCIENTIFIC INQUIRY IN PHYSICAL THERAPY**

3 credits.

Focuses on critical evaluation of research findings, a fundamental component of evidence-based practice. Examples from the rehabilitation literature are used to illustrate principles of measurement theory, research design, statistical analysis, and scientific inference.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2026**PHY THER 641 – CURRENT ISSUES IN REHABILITATION**

1 credit.

Focuses on critical evaluation of published research relevant to physical therapy. In seminar format, present the results of original research, and lead discussions of the strengths, weaknesses, and underlying theory of the research.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Fall 2025**PHY THER 642 – RESEARCH PRACTICUM**

1-3 credits.

An in-depth training in various aspects of research (e.g., literature review, understanding of study methodology, data collection, data reduction and analysis, dissemination of findings). Work independently under the supervision of a faculty member from the UW Doctor of Physical Therapy program and will participate in an on-going project for the semester.

Requisites: Consent of instructor**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** Yes, unlimited number of completions**Last Taught:** Spring 2026**PHY THER 643 – CURRENT ISSUES IN REHABILITATION
RESEARCH II**

1 credit.

Focuses on critical evaluation of published research relevant to physical therapy. In seminar format, present the results of original research, and lead discussions of the strengths, weaknesses, and underlying theory of the research.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Spring 2026**PHY THER 664 – CLINICAL MEDICINE I**

5 credits.

Modules in medical screening, pharmacological principles, diagnostic imaging, laboratory testing, psychological disorders, ENT, endocrinology, dermatology, and geriatrics are presented in the context of pathophysiology, differential diagnosis, prevention, and management. Lectures provided by physicians, physician assistants and physical therapists. Case studies are utilized for development of clinical problem solving skills.

Requisites: Declared in Doctor of Physical Therapy program**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement**Repeatable for Credit:** No**Last Taught:** Fall 2025

PHY THER 665 – CLINICAL MEDICINE II

4 credits.

Common pathological processes, risk factors, clinical manifestations, and pathogenesis of disease for the cardiovascular, pulmonary, hematology, neurology, gastrointestinal, urological, gynecological, musculoskeletal, and rheumatological systems. Medical tests and treatments including medications, diagnostic imaging, and pharmacology principles will also be covered.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2026

PHY THER 668 – HEALTH PROMOTION AND WELLNESS

2 credits.

Physical, psychological, spiritual, social, emotional, intellectual and vocational aspects of wellness. The physical therapist's role in primary, secondary and tertiary prevention; health promotion, and individual and community screening activities for wellness/fitness; and safety and environmental considerations for health and wellness.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 675 – OTHOTICS: APPLICATIONS IN PHYSICAL THERAPY PRACTICE

2 credits.

Provides the the cognitive, affective and psychomotor skills for efficacious examination/evaluation and treatment of patients with conditions requiring orthotic, protective and supportive devices. Specific orthotic topics include: material technology; biomechanics of orthoses; orthotic design and fabrication principles, lower limb orthoses (LLO); spinal orthoses (SO); upper limb orthoses (ULO); and wheelchair seating and propulsion. Provides the foundation for clinical applications in the musculoskeletal (PHY THER 676/677) and neuromuscular clinical tracts (PHY THER 635/636).

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 676 – MUSCULOSKELETAL DYSFUNCTION : EXAMINATION, DIAGNOSIS, & MANAGEMENT I

5 credits.

Provides the physical therapy student with the cognitive, affective, and psychomotor knowledge for effective examination, evaluation, diagnosis and management of patients/clients of all ages with various musculoskeletal dysfunctions related specifically to the spine.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Fall 2025

PHY THER 677 – MUSCULOSKELETAL DYSFUNCTION : EXAMINATION, DIAGNOSIS, & MANAGEMENT II

5 credits.

Provides the physical therapy student with the cognitive, affective, and psychomotor knowledge for effective examination, evaluation, diagnosis and management of patients/clients of all ages with various musculoskeletal dysfunctions related specifically to the extremities.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

PHY THER 678 – PHYSICAL THERAPY MANAGEMENT OF INTEGUMENT CONDITIONS

1 credit.

Provides the cognitive, affective and psychomotor skills for efficacious examination/evaluation and treatment of specific integument system conditions. Topics include the management of patients/clients with wounds, burn, frostbite, insensate and/or diseased integument. Functional training in self-care and home management including activities of daily living and instrumental activities of daily living, as well as in the context of patients with specific integument conditions. Specific wound topics include: infection control in the health care environment, classification of wounds, examination and physical therapy and medical management of persons with wounds. Specific burn topics include: epidemiology of thermal injuries; classification of burn depth; determination of percentage burn; physiological effects of burn by body system; interdisciplinary medical management and physical therapy management for persons with burns/frostbite.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 679 – PROSTHETICS: APPLICATIONS IN PHYSICAL THERAPY PRACTICE

1 credit.

Provides the cognitive, affective and psychomotor skills for efficacious examination/evaluation and treatment of patients/clients with amputation. Course topics include the management of patients/clients with congenital and/or acquired amputation and its subsequent prosthetic management. Functional training in self-care and home management including activities of daily living (ADLs) and instrumental activities of daily living (IADLs), as well as functional training in work (job/school/play) are covered in the context of patients with limb loss.

Requisites: PHY THER 676 and PHY THER 677

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 700 – CLINICAL INTERNSHIP I

2 credits.

80-hour physical therapy internship in a pre-determined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

PHY THER 701 – CLINICAL INTERNSHIP II

4 credits.

160-hour physical therapy internship in a predetermined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 702 – CLINICAL INTERNSHIP III

9 credits.

Nine-week physical therapy internship in a pre-determined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2025

PHY THER 703 – CLINICAL INTERNSHIP IV

9 credits.

Nine-week physical therapy internship in a pre-determined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Fall 2025

PHY THER 704 – CLINICAL INTERNSHIP V

4-9 credits.

Physical therapy internship in a pre-determined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, for 1 number of completions

Last Taught: Fall 2025

PHY THER 705 – CLINICAL INTERNSHIP VI

9 credits.

Nine-week physical therapy internship in a pre-determined clinical environment.

Requisites: Declared in Doctor of Physical Therapy program

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

PHY THER 706 – CLINICAL INTERNSHIP VII

5 credits.

Learning experiences in a clinical setting under the direct guidance of a physical therapist (Clinical Instructor). Ability to perform physical therapy examinations of body structures and functions, and other evaluations, interventions, and outcomes assessed by evaluative tools, such as the Clinical Performance Instrument (CPI).

Requisites: PHY THER 679

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

Learning Outcomes: 1. Demonstrate critical thinking skills by applying clinical decision-making solutions while on their clinical experiences and assessing the appropriateness of their solutions.

Audience: Graduate

2. Apply concrete coursework (didactic) knowledge in an unfamiliar clinical environment and self-assess as well as receive assessment and feedback from the Clinical Instructor.

Audience: Graduate

3. Evaluate information received from the patient examination and establish a diagnosis, prognosis, and intervention with minimal to no assistance from the Clinical Instructor (CI) in simple to somewhat complex cases.

Audience: Graduate

4. Evaluate information received from the patient examination and establish a diagnosis, prognosis, and intervention with complex tasks with minimal to no guidance from the CI.

Audience: Graduate

5. Display professional behaviors commonly seen in a practicing physical therapist.

Audience: Graduate

6. Adapt psychomotor skills to any clinical situation and value feedback given from the CI regarding strategies to improve this.

Audience: Graduate

7. Internalize and verify values of professional behavior demonstrated by the CI and other clinicians.

Audience: Graduate

PHY THER/NURSING/PHARMACY/PHY ASST/PUBLHLTH 758 – INTERPROFESSIONAL PUBLIC HEALTH LEADERSHIP

1 credit.

Build skills in collaboration, problem solving, and reflection to approach complex community-based public health problems contribute to becoming a public leader. Explore the six levels of public health leadership through the practices of current and past public health leaders, case studies, and personal experience.

Requisites: Graduate/professional standing

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2019

Learning Outcomes: 1. Describe the roles and responsibilities of their profession with all participating health professional students, while examining the roles and responsibilities of all other health professions.
Audience: Graduate

2. Compare and contrast the diversity of expertise among participating health professions.

Audience: Graduate

3. Apply their profession's roles and responsibilities to case studies that address complex public health issues.

Audience: Graduate

4. Describe what it means to be part of an interprofessional team and illustrate how the different professions and systems can complement and facilitate one another in addressing public health issues.

Audience: Graduate

5. Apply the principles of public health leadership via reflective exercises, case studies and facilitated discussion.

Audience: Graduate

6. Promote a public health cause or principle through legislative advocacy.

Audience: Graduate

7. Elucidate the importance of reflection as a life-long learning and leadership tool.

Audience: Graduate

PHY THER 799 – INDEPENDENT STUDY

1-3 credits.

Course content is designed specifically for the individual student.

Requisites: Consent of instructor

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Fall 2025