

# PHYSICAL THERAPY (PT)

## PT 6100 Foundations of Physical Therapy 5 cr

Through lecture, labs and seminars, students are introduced to the theory of physical therapy knowledge, skills, attitudes and behaviours. Course content includes conceptual frameworks, principles surrounding safe and ethical professional conduct in the current health care environment. Course is graded pass/fail.

## PT 6110 Foundations to Evidenced-Based Practice 1 1 cr

Students will learn to critically evaluate the evidence for physical therapy practice and rehabilitation and will be challenged to become involved in contributing to the evidence for their future practice.

## PT 6124 Physical Therapy and Hospital Based Care 4 cr

Through lecture, tutorial and laboratory sessions, students learn the role of physical therapy in hospital settings. Students will learn knowledge, skills and behaviours which support physical therapy assessment and treatment.

## PT 6130 Applied Sciences for Physical Therapy 1 4 cr

Through lecture, tutorial and laboratory sessions, students will learn the application of exercise and pain physiology to body structure and function and how it relates to activity and participation.

## PT 6140 Neuromusculoskeletal Anatomy for Physical Therapy 3 cr

Through lecture and laboratory sessions, students learn detailed musculoskeletal anatomy of the upper and lower limbs, head, neck and trunk. Bones, joints, ligaments, muscles, nerves and vessels are included, and integration of structure and function is emphasized. Students are also introduced to the anatomy of the spinal cord and peripheral nerves.

## PT 6221 Clinical Skills for Physical Therapy in Neuromusculoskeletal Conditions 1 6 cr

Through lecture, tutorial and laboratory sessions, students apply physical therapy assessment, diagnostic and treatment skills for upper quadrant neuromusculoskeletal conditions across the lifespan.

## PT 6224 Clinical Skills for Physical Therapy in Neuromusculoskeletal Conditions 2 6 cr

Through lecture, tutorial and laboratory sessions, students apply physical therapy assessment, diagnostic and treatment skills for lower quadrant neuromusculoskeletal conditions across the lifespan.

## PT 6230 Applied Sciences for Physical Therapy 2 6 cr

Through lecture, tutorial and laboratory sessions, students will learn the application of anatomy, biomechanics, physiology, pathology and exercise to the neuromusculoskeletal system. Scientific and medical theoretical basis for physical therapy intervention will be covered.

## PT 6250 Integrated Practice for Neuromusculoskeletal Conditions 3 cr

Students integrate relevant information for physical therapy management of neuromusculoskeletal conditions through problem-based learning. Case studies reflect current key indicator conditions from the Entry-to-Practice Physiotherapy Curriculum: Content Guidelines for Canadian University Programs.

## PT 6260 Physical Therapy Practice and Professional Issues 1 3 cr

Through lecture and tutorial sessions, students will address various professional topics to develop their knowledge concerning of business, ethical and legal principles for physical therapy practice.

## PT 6291 Neuromusculoskeletal Clinical Education 1 6 cr

First of two six-week experiential learning periods in the clinical community, providing opportunity for students to assess and treat clients with musculoskeletal disorders under supervision. Includes 3-4 hours of preparatory sessions prior to the placements, and 3-4 hours of follow up including debriefing group discussion and presentation of reflective journals.

## PT 6292 Neuromusculoskeletal Clinical Education 2 6 cr

Second of two six-week experiential learning periods in the clinical community, providing opportunity for students to assess and treat clients with neuromusculoskeletal disorders under supervision.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: PT 6291.

## PT 6310 Foundations to Evidenced-Based Practice 2 2 cr

Students will learn to identify appropriate research and /or evaluation questions and appropriate methodologies for the rehabilitation context and the general process of conducting a research/evaluation study to facilitate future participation in research. Course graded pass/fail.

## PT 7121 Clinical Skills for Physical Therapy Neurological Conditions 5 cr

Through lecture, tutorial and laboratory sessions, students apply physical therapy assessment, diagnostic and treatment skills for neurological conditions across the lifespan.

## PT 7124 Clinical Skills for Physical Therapy in Cardiorespiratory Conditions 5 cr

Through lecture, tutorial and laboratory sessions, students apply physical therapy assessment, diagnostic and treatment skills for cardiorespiratory conditions across the lifespan.

## PT 7150 Integrated Practice for Cardiorespiratory and Neurological Conditions 3 cr

Students integrate relevant information for physical therapy management of complex cardiorespiratory and neurological conditions through lectures, labs and small group work with a focus on interprofessional collaborative practice. Case studies may include but are not limited to: geriatrics, developmental disorders, spinal cord injuries, ARDS, critical care, etc.

## PT 7160 Physical Therapy Practice and Professional Issues 2 3 cr

Through lecture and tutorial sessions, students will integrate their knowledge and clinical experience concerning business, ethical and legal principles for physical therapy practice.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: PT 6260.

## PT 7230 Applied Sciences for Physical Therapy 3 3 cr

Through lecture, tutorial and laboratory sessions, students will learn the application of anatomy, physiology and pathology to the cardiovascular and pulmonary systems. This course provides the theoretical basis for physical therapy intervention for cardiovascular and pulmonary disorders.

## PT 7292 Neurosciences Clinical Education 6 cr

A six-week experiential learning period in the clinical community, providing opportunity for students to assess and treat clients with neurological disorders under supervision. Includes 3 - 4 hours of preparatory sessions prior to the placements, and 3 - 4 hours of follow up including debriefing group discussion and presentation of reflective journals.

**PT 7294 Cardiovascular and Pulmonary Clinical Education 5 cr**

A five-week experiential learning period in the clinical community, providing opportunity for students to assess and treat clients with cardiovascular and pulmonary disorders under supervision. Includes 3-4 hours of preparatory sessions prior to the placement, and 3-4 hours of follow up including debriefing group discussion and presentation of reflective journals. Course is pass/fail.

**PT 7330 Applied Sciences for Physical Therapy 4 3 cr**

Through lecture, tutorial and laboratory sessions, students will learn the application of anatomy, physiology and pathology to the neurological system. Scientific and medical theoretical basis for physical therapy intervention will be covered.

**PT 7390 Elective Clinical Education 6 cr**

One six-week experiential learning period in the clinical community to complement previous clinical placements, address gaps in previous clinical placements and /or to explore emerging practice roles in physiotherapy.

**PT 7410 Exercise Prescription and Manual Therapy for Physical Therapists 3 cr**

Through a variety of learning strategies, students further develop exercise prescription and manual therapy skills in physical therapy assessment, diagnosis and treatment for individuals across the lifespan.

**PT 7500 Physical Therapy Evaluation/Research Project 6 cr**

Under the supervision of a faculty advisor the student will develop and complete a physical therapy or rehabilitation- focused research or evaluation project. Course graded pass/fail.