

# PHYSICAL THERAPY

## Departmental Facilities

The School of Rehabilitation Therapy is housed in the Louise D. Acton building. Teaching laboratories, student meeting space, research space and clinical services are located on the ground floor and first floor. Administration and faculty offices are on the second floor. Research laboratory facilities are located in the LDA building, Hotel Dieu Hospital, Kingston General Hospital, Providence Care, and the Human Mobility Research Centre (KGH). Research spaces are well equipped to support various research programs in the study of normal and abnormal human movement, motor control, human neurophysiology cardiovascular and skeletal muscle function, and a broad range of disability and wellness in the community studies. Projects may also be undertaken in a variety of clinical and community settings external to the School of Rehabilitation Therapy.

## Admission Requirements

All applications will be processed through the Ontario Universities Application Centre, Ontario Rehabilitation Sciences Programs Application Service. ([www.ouac.on.ca/orpas/](http://www.ouac.on.ca/orpas/) (<http://www.ouac.on.ca/orpas/>)).

Applicants are selected on the basis of a strong academic record and the assessment of personal characteristics considered most appropriate for the study of Physical Therapy at Queen's University and the subsequent practice of Physical Therapy.

Applicants must have a four year baccalaureate degree and a minimum of a second class standing (70%+) from a recognized university. In addition, applicants must have completed a course in introductory psychology and courses with substantive content in statistics, human anatomy and physiology at the undergraduate level. Applicants must earn a minimum grade of B-or 70% in all prerequisite courses.

In addition to academic achievement, applicants must show, through documentation of volunteer work, community service or personal experience, their strong interest in the profession of physiotherapy, knowledge of the profession and desire to work with people of all ages and abilities/disabilities. Two letters of reference and a personal information submission are required. Applicants are required to complete the online Casper test.

Admission decisions will be made based on consideration of all the previously described academic and non-academic elements of the application. Place of residence and

undergraduate university are not criteria considered in the selection process.

## Faculty

### Vice-Dean (Health Sciences) and Director

Nixon, S.

### Associate Director, Physical Therapy Program

Mathur, S.

### Professor

Nixon, S., Norman, K.

### Associate Professor

Auais, M., DePaul, V., Deshpande, N., Lawson, T., Mathur, S., Miller, J.

### Assistant Professor

Booth, R., Fakolade A.

### Professor Emeritus

Culham, E., Hopkins-Rosseel, D., Olney, S.J.

### Continuing Adjunct Lecturer

Law, M., Leverette, G.

## Programs

- Physical Therapy - Master of Science Physical Therapy (<https://queensu-ca-public.courseleaf.com/graduate-studies/programs-study/physical-therapy/physical-therapy-mscpt/>)

## Courses

### PT 811 Professionalism, Collaboration, Leadership and Management I

Weight=3 credit units

This course covers four physiotherapy competency domains: professionalism, collaboration, leadership, and practice management. Learners gain foundational knowledge and competencies related to Canadian health systems, jurisprudence, ethical practice, interprofessional practice, individual practice management, humanism and cultural humility.

### PT 812 Professionalism, Collaboration, Leadership and Management II

Weight=3 credit units

This course builds on competencies developed in PT811 related to professionalism, collaboration, leadership, and practice management. Learners further develop competencies for jurisprudence, ethical practice, teamwork, collaborative decision-making, practice management,



humanism, cultural humility, and innovation in health services. PRE-REQUISITES: successful completion of PT 811, PT 831, PT 871, or approval from the PT Program.

**PT 813 Professionalism, Collaboration, Leadership and Management III**

Weight=6 credit units

This course builds on competencies developed in PT 812 related to professionalism, collaboration, leadership, and practice management. Learners prepare for complex scenarios by extending competencies in ethical practice, interprofessional practice, shared leadership, mentorship, quality improvement and assurance, humanism, and cultural humility.

PRE-REQUISITES: PT 812, PT 832, PT 872, PT 882

\*This course will be offered 2024-2025

**PT 822 Business Practices in Rehabilitation**

Weight= 3 credit units

This course encompasses the areas of public versus private sector business practices, including, but not limited to, finance, accounting, human resources, venues, marketing/ advertising, and negotiation. The emphasis will be on the practical application of the material and, normally, the development of a useable business plan. Community practitioners and small business leaders act as Community Advisors and/or assist in the delivery of this course. The intent of this learning opportunity is to facilitate the students' acquiring the fundamental business skills necessary for career development in any sector of health care.

PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program and PT 883, or approval from the PT Program.

\*This course will be discontinued 2024-2025

**PT 831 Evidence-Based Practice and Clinical Reasoning I**

Weight=6 credit units

Students gain foundational competencies in evidence-based, client-centred clinical assessment and management. These competencies include seeking, appraising, and applying evidence by integrating it with client values and contexts, and clinician experiences using clinical reasoning and effective communication.

**PT 832 Evidence-Based Practice and Clinical Reasoning II**

Weight=9 credit units

Students build on competencies developed in PT 831 related to evidence-based, client-centred assessment and management. This course involves applying evidence-based practice, clinical reasoning, and communication in complex clinical scenarios, adapting clinical care in response to changes in client presentation.

PRE-REQUISITES: successful completion of PT 811, PT 831, PT 871, or approval from the PT Program.

**PT 833 Evidence-Based Practice and Clinical Reasoning III**

Weight=6 credit units

Students build on competencies developed in PT 832 related to evidence-based, client-centred assessment and management. This course involves applying evidence-based practice, clinical reasoning, and communication in more complex individual, community, and population health scenarios.

PRE-REQUISITES: PT 812, P T832, P T872, PT 882

\*This course will be offered 2024-2025

**PT 857 Cardiorespiratory Function II**

Weight = 4.5 credit units

Students will gain proficiency in applied exercise physiology and produce safe and effective exercise prescriptions in clinical populations. In addition, students will incorporate their critical thinking, problem solving and clinical skills in the study of complex cardiorespiratory cases related to rehabilitation, acute and critical contexts of care. Topics include physiological monitoring, oxygen delivery and ventilation. Lab component.

PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program, or approval from the PT Program.

\*This course will be discontinued 2024-2025

**PT 861 Paediatrics**

Weight= 4.5 credit units

Students will gain knowledge of typical and atypical development, and skill in assessment of children and youth with selected developmental, neurological and orthopaedic conditions. Changes in musculoskeletal status, movement coordination, exercise capacity, posture and gait control, and motor learning will be included. Principles of family-centered and interprofessional care will be applied. Students will gain an understanding of the leadership and advocacy roles of physiotherapists within the contexts of paediatric care including end-of-life issues. Lab and Interprofessional components. PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program, or approval from the PT Program.

\*This course will be discontinued 2024-2025

**PT 863 Gerontology**

Weight= 4 credit units

Students will gain knowledge and skill in applying assessment principles related to representative conditions common in older adults. Changes in musculoskeletal status, exercise capacity and neuromotor control with aging are included. Students will gain understanding of the need for advocacy and education in the contexts in which physical therapists work with older clients. Social and cognitive factors that may

affect the motor function of older adults are discussed. End of life and palliative care issues are included. Lab component  
PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program, or approval from the PT Program.

\*This course will be discontinued 2024-2025

### **PT 864 Complex Health Conditions**

Weight= 4 credit units

Students will gain knowledge about the ways in which clients may present with movement dysfunction arising from multiple causes including disorders of musculoskeletal, neurological and cardiorespiratory functions. Students will develop skills to systematically assess complex, unforeseen problems and deliver patient-centred care. This course consists of five modules: a) rheumatology, b) lower extremity amputations, c) burn injury, and d) oncology and e) narrative practice. Clinical Skills Lab Component.

PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program and PT 883, or approval from the PT Program.

\*This course will be discontinued 2024-2025

### **PT 865 Motor Function Occupation**

Weight= 4.5 credit units

Students will gain knowledge and skill in the assessment and management of individuals with musculoskeletal injuries related to physical work, sport and leisure activities. They will be able to critically evaluate the literature related to ergonomic assessment and intervention, including psychophysical, physiological and biomechanical approaches. Topics in occupational health and safety related to injury prevention, as well as advanced manual therapy approaches to the assessment and management of musculoskeletal injury will be included. Lab component.

PREREQUISITES: successful completion of all Year 1 courses in the MScPT Program, or approval from the PT Program.

\*This course will be discontinued 2024-2025

### **PT 871 Applied clinical competencies I**

Weight=9 credit units

Students gain and apply foundational competencies across domains, including physiotherapy expertise and communication. Students develop, practise, and demonstrate evidence-based, client-centred assessment and management competencies through clinical lab learning activities and simulated practice scenarios.

### **PT 872 Applied clinical competencies II**

Weight= 9 credit units

Students build on competencies developed in PT 871 across domains, including physiotherapy expertise and communication. Students further develop and demonstrate evidence-based, client-centred assessment and management competencies through clinical lab learning activities

and complex simulations that include changes in client presentation.

PRE-REQUISITES: successful completion of PT 811, PT 831, PT 871, PT 881, or approval from the PT Program.

### **PT 873 Applied clinical competencies III**

Weight=9 credit units

Students build on competencies developed in PT 872 across domains, including physiotherapy expertise and communication. Students further develop and demonstrate evidence-based physiotherapy competencies through clinical lab learning activities and simulations that include more complex individual, community, and population health scenarios.

PRE-REQUISITES: PT 812, PT 832, PT 872, PT 882

\*This course will be offered 2024-2025

### **PT 881 Clinical Placement I**

Weight= 6 credit units.

This course includes: a) clinical education preparation sessions to understand clinical education processes and requirements; b) a clinical placement in physiotherapy practice where students continue to develop and demonstrate competencies achieved during the preceding academic block with guidance and supervision from a clinical instructor.

PREREQUISITES: successful completion of PT 811, PT 831, PT 871 or approval from the PT Program.

### **PT 882 Clinical Placement II**

Weight= 6 credit units.

This course includes: a) clinical education preparation sessions to understand clinical education processes and requirements for placement two; b) a clinical placement in physiotherapy practice where students are expected to develop and demonstrate physiotherapy competencies with guidance and supervision from a clinical instructor.

PREREQUISITES: successful completion of PT 881, or approval from the PT Program.

### **PT 883 Clinical Placement III**

Weight= 6 credit units.

A 6-week full-time placement providing experience in physiotherapy practice in a clinical facility or community-based agency. During their third clinical placement students will be expected to further develop their skills, knowledge and behaviours and integrate material presented during the academic blocks VII and VIII. By the end of the clinical placement students should be developing increased proficiency in assessment and management skills with single system to more complex representative conditions involving all body systems.



PREREQUISITES: PT 882, PT 863, PT 861 and/or PT 857 or approval from the PT Program.

#### **PT 884 Clinical Placement IV**

Weight= 6 credit units.

A 6-week full-time placement providing experience in physiotherapy practice in a clinical facility or community-based agency. During their fourth clinical placement students will be expected to further develop their skills, knowledge and behaviours and integrate material presented during block 10 in year two. By the end of the clinical placement students should have developed skills to work efficiently as a member of a multidisciplinary health care team, providing consultation and care to clients of all ages and with simple to complex conditions. In addition, students will be expected to demonstrate knowledge of the business, administrative and legal issues related to clinical practice.

PREREQUISITES: successful completion of PT 883, PT 857, PT 861, PT 863, PT 864, and PT 865, or approval from the PT Program.

#### **PT 885 Clinical Placement V**

Weight= 6 credit units

A 6-week full-time placement providing experience in physiotherapy practice in a clinical facility or community-based agency. Students will be expected to consolidate their skills, knowledge and behaviours and integrate all material presented throughout the academic curriculum. By the end of the final clinical placement students should be able to consistently and efficiently provide quality care with simple and complex clients of all ages in a variety of clinical environments, requiring guidance or supervision only when addressing new or complex situations. Students will be expected to demonstrate knowledge of the business, administrative and legal issues related to clinical practice. Students will be ready for independent clinical practice.

PREREQUISITES: PT 884 or approval from the PT Program.

#### **PT 886 Clinical placement VI**

Weight=6 credit units

Course description: This course involves a clinical placement completed in the academic setting in collaboration with a community partner where students will develop plans for a community or population health intervention that is based on or includes plans for a quality assurance or quality improvement evaluation.

PREREQUISITES: PT 884

\*This course will be offered 2024-2025

#### **PT 898 Critical Enquiry Project**

Weight=6 credit units

Students will work with a faculty supervisor to complete a critical enquiry project. The project will enable students to apply critical inquiry skills by participation in an area of

clinical investigation and to examine the relevance of findings to clinical practice.

PREREQUISITES: PT 897 or permission of the course coordinator.