MASTER OF HEALTH SCIENCES PHYSIOTHERAPY

Summary

• Degree offered: Master of Health Sciences (MHSc)
• Registration status option: Full-time
• Language of instruction: French
• Program options (expected duration of the program):
  • with coursework (6 full-time terms; 24 consecutive months)
  • with coursework and research paper (6 full-time terms; 24 consecutive months)
• Academic units: Faculty of Health Sciences (http://health.uottawa.ca/), School of Rehabilitation Sciences (http://health.uottawa.ca/rehabilitation/).

Program Description

Physiotherapy is a self-governing profession that promotes fitness, health and wellness. The profession provides frontline client-centered healthcare services to help clients maintain and improve their functional independence; and prevent and manage pain, physical limitations, disabilities, and limits to participation in their activities (Canadian Physiotherapy Association, 2000). The goal of the physiotherapy program is to train bilingual physiotherapists who can serve francophone clients in Ontario and French-speaking communities across Canada and to foster excellence in research and teaching.

The program supports a client-centered approach and focuses on integrating evidence-based results from research on clinical decision-making. The conceptual framework of the program is based on the human movement sciences (kinesiology and pathokinesiology) and the clinical sciences and incorporates the International Classification of Functioning, Disability and Health (ICF) framework as the standard for describing and measuring health and disability.

The MHSc in Physiotherapy program runs over six consecutive terms, i.e., two years of full-time study. Students must complete 60 course units and 1,025 placement hours. These mandatory placements can take place in Ottawa-area hospitals, schools and rehabilitation centres or at locations outside the National Capital Region.

The program follows the national physiotherapy curriculum guidelines established by the Canadian Council of Physiotherapy University Programs. Upon completing their education, graduates who wish to register with the College of Physiotherapists of Ontario must successfully complete the Canadian physiotherapy competency examination (Canadian Alliance of Physiotherapy Regulators).

Since the mission of the physiotherapy program is to train bilingual professionals able to serve Francophone populations, the program is only offered in French. However, assignments and exams can be written in either French or English. While French is the language of instruction, some clinical placements, however, take place in French, Bilingual and English settings. Students must therefore have a working knowledge of English.

Consortium National de Formation en Santé (CNFS)

The CNFS is a pan-Canadian organization funded by Health Canada. It brings together eleven post-secondary institutions offering programs of study in French in various health disciplines. It provides students of Francophone minority communities with improved access to health-related study programs. The CNFS allowed the addition of additional physiotherapy places for Francophones from provinces other than Quebec and Ontario. Students welcomed by the CNFS are encouraged to return to their home province to do their clinical rotations.

Other Programs Offered Within the Same Discipline or in a Related Area

• Master of Health Sciences in Audiology (MHSc)
• Master of Health Sciences Speech-Language Pathology (MHSc)
• Master of Health Sciences in Occupational Therapy (MHSc)
• Doctorate in Philosophy Rehabilitation Sciences (PhD)

Fees and Funding

• Program fees:

  The estimated amount for university fees (https://www.uottawa.ca/university-fees/) associated with this program are available under the section Finance your studies (http://www.uottawa.ca/graduate-studies/programs-admission/finance-studies/).

  International students enrolled in a French-language program of study may be eligible for a differential tuition fee exemption (https://www.uottawa.ca/university-fees/differential-tuition-fee-exemption/).

  • To learn about possibilities for financing your graduate studies, consult the Awards and financial support (https://www.uottawa.ca/graduate-studies/students/awards/) section.

Notes

• Programs are governed by the general regulations (http://www.uottawa.ca/graduate-studies/students/general-regulations/) in effect for graduate studies.

Program Contact Information

Academic Office, Faculty of Health Sciences (https://health.uottawa.ca/)
125 University Private, Room 242
Ottawa, Ontario, Canada
K1N 6N5

Tel.: 613-562-5853
Toll free: 1-877-868-8292, ext. 5853
Email: healthsc@uOttawa.ca (healthsc@uottawa.ca)

Twitter | Faculty of Health Sciences (https://twitter.com/uOttawaHealthSc/)
Facebook | Faculty of Health Sciences (https://www.facebook.com/uOttawaHealthSc/)

Admission Requirements

For the most accurate and up to date information on application deadlines, language tests and other admission requirements, please visit

the specific requirements (https://www.uottawa.ca/graduate-studies/programs-admission/apply/specific-requirements/) webpage.

To be eligible, candidates must:

- Have an honours bachelor's degree or equivalent with a minimum average of B (70%) calculated according to the graduate studies guidelines.

  Note: International candidates must check the admission equivalencies (https://www.uottawa.ca/graduate-studies/international/study-uottawa/admission-equivalencies/) for the diploma they received in their country of origin.

- Have successfully completed six (6) course units in anatomy, including 3 units in general anatomy or human physiology (e.g., ANP 1105 or equivalent) and 3 units in musculoskeletal anatomy (e.g., ANP 1106 or equivalent).

- Have successfully completed three (3) course units in human psychology.

- Have successfully completed three (3) course units in research methodology or statistics.

- Have completed a Computer-Based Assessment for Sampling Personal Characteristics (CASPer).  

1 The CASPer exam can be completed in either French or English, depending on the candidate's preference.

Language Requirements

Candidates must be proficient in written and spoken French and must have a working knowledge of written and spoken English. In order to assess these language skills, French and English tests are required.

Note(s)

- Candidates are responsible for any fees associated with the language tests.

- To help students obtain a passing grade in their bilingual clinical placements, the School of Rehabilitation Sciences offers an English conversation course (REA 5940). This course may be recommended or required according to the applicants' language competencies.

- If deemed necessary, an English or French course could be added to the program of study at the time of admission and would be considered a program requirement.

Notes

- The admission requirements listed above are minimum requirements and do not guarantee admission to the program.

- Admissions are governed by the general regulations (http://www.uottawa.ca/graduate-studies/students/general-regulations/) in effect for graduate studies.

- Prerequisite courses must have been completed within six years of the application.

- Equivalencies for admission prerequisites may be verified with the Academic Office of the Faculty of Health Sciences.

Program Requirements

Requirements for this program have been modified. Please consult the 2020-2021 calendars (http://catalogue.uottawa.ca/en/archives/) for the previous requirements.

Master's with Coursework

Students must meet the following requirements:

Compulsory Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>PHT 5512</td>
<td>Anatomie fonctionnelle du système musculo-squelettique</td>
<td>3</td>
</tr>
<tr>
<td>PHT 5513</td>
<td>Biomécanique clinique</td>
<td>3</td>
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<tr>
<td>PHT 5614</td>
<td>Évaluations et interventions de base en musculo-squelettique</td>
<td>4.5</td>
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<tr>
<td>PHT 5621</td>
<td>Douleur, agents physiques et modalités thérapeutiques</td>
<td>4.5</td>
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<tr>
<td>PHT 5622</td>
<td>Fondements de la pratique au niveau du système musculo-squelettique</td>
<td>4.5</td>
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<tr>
<td>PHT 5623</td>
<td>Évaluation, diagnostic et intervention au niveau du système musculo-squelettique</td>
<td>4.5</td>
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<tr>
<td>PHT 5631</td>
<td>Fondements et pratiques au niveau du système cardiorespiratoire</td>
<td>6</td>
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<tr>
<td>REA 5703</td>
<td>Pratiques professionnelles en réadaptation</td>
<td>3</td>
</tr>
<tr>
<td>PHT 6511</td>
<td>Évaluation et intervention auprès de personnes ayant des affections multiples I</td>
<td>2.5</td>
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<tr>
<td>PHT 6531</td>
<td>Évaluation et intervention auprès de personnes ayant des affections multiples II</td>
<td>2</td>
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<td>PHT 6532</td>
<td>Pratique clinique et enjeux professionnels</td>
<td>3</td>
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<tr>
<td>PHT 6533</td>
<td>Outils diagnostiques spécialisés en physiothérapie</td>
<td>3</td>
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<tr>
<td>PHT 6612</td>
<td>Fondements neurobiologiques du mouvement humain</td>
<td>6</td>
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<tr>
<td>PHT 6613</td>
<td>Évaluation, diagnostic et intervention au niveau du système neurologique</td>
<td>4.5</td>
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<tr>
<td>REA 6503</td>
<td>Pratique factuelle en réadaptation</td>
<td>3</td>
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Seminar:

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<tr>
<th>Course</th>
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<th>Units</th>
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<tbody>
<tr>
<td>PHT 6753</td>
<td>Séminaire de recherche</td>
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Clinical Placements:  

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>PHT 5901</td>
<td>Stage I</td>
<td></td>
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<tr>
<td>PHT 5902</td>
<td>Stage II</td>
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<td>PHT 6903</td>
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<td>PHT 6904</td>
<td>Stage IV</td>
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<tr>
<td>PHT 6905</td>
<td>Stage V</td>
<td></td>
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<tr>
<td>PHT 6906</td>
<td>Stage VI</td>
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Note(s)

1 Students must complete six clinical practicums for a total of 1042.5 hours distributed over 29 weeks as set out by the Canadian Council of Physiotherapy University Programs. Students must also complete two non-unit post-clinical placement integration activities. To participate in the clinical placements, students must provide certain documentation required by agencies, by clinical environments and by the Ontario Ministry of Health, which serve to protect clients and students alike.

Master’s with Coursework and Research Paper

Students must meet the following requirements:
Compulsory Courses:

- **PHT 5512** Anatomie fonctionnelle du système musculo-squelettique 3 Units
- **PHT 5513** Biomécanique clinique 3 Units
- **PHT 5614** Évaluations et interventions de base en musculo-squelettique 4.5 Units
- **PHT 5621** Douleur, agents physiques et modalités thérapeutiques 4.5 Units
- **PHT 5622** Fondements de la pratique au niveau du système musculo-squelettique 4.5 Units
- **PHT 5623** Évaluation, diagnostic et intervention au niveau du système musculo-squelettique 4.5 Units
- **PHT 5631** Fondements et pratiques au niveau du système cardiorespiratoire 6 Units
- **REA 5703** Pratiques professionnelles en réadaptation 3 Units
- **PHT 6511** Évaluation et intervention auprès de personnes ayant des affections multiples I 2.5 Units
- **PHT 6531** Évaluation et intervention auprès de personnes ayant des affections multiples II 2 Units
- **PHT 6532** Pratique clinique et enjeux professionnels 3 Units
- **PHT 6533** Outils diagnostiques spécialisés en physiothérapie 3 Units
- **PHT 6612** Fondements neurobiologiques du mouvement humain 6 Units
- **PHT 6613** Évaluation, diagnostic et intervention au niveau du système neurologique 4.5 Units

Research Paper:

- **PHT 6999** Major Paper 1 6 Units

Clinical Placements:

- **PHT 5901** Stage I
- **PHT 5902** Stage II
- **PHT 6903** Stage III
- **PHT 6904** Stage IV
- **PHT 6905** Stage V
- **PHT 6906** Stage VI

Note(s)

1. The research paper is an original production which serves to deepen knowledge of an issue related to physiotherapy through research methodology. The topic of the research paper can be theoretical or applied to the field of study (case study). The research paper must be presented orally before professors and students in the program.

2. Students must complete six clinical practicums for a total of 1042.5 hours distributed over 29 weeks as set out by the Canadian Council of Physiotherapy University Programs. Students must also complete two non-unit post-practicum integration activities. To participate in the practicums, students must provide certain documentation required by agencies, by clinical environments and by the Ontario Ministry of Health, which serve to protect clients and students alike.

Minimum Requirements

The passing grade in each individual course is C+. S (Satisfactory) is required for each clinical placement.

Students who fail two courses (course or clinical placement) must withdraw from the program. Students who fail only one course/clinical placement can repeat the course or the clinical placement at the next time the course is offered. Students will not be able to take the courses or clinical placements for which the failed course or clinical placement is a prerequisite. In this case, students will not be able to complete the program within the prescribed time. Failing the repeated course or clinical placement is considered a second failure.

Duration of the Program

The program normally runs over 6 consecutive full-time terms. Students are expected to complete all program requirements, including the Research Project (PHT 6753) or Research paper (PHT 6999), within this two-year period.

Expected Professional Behaviour

As future rehabilitation professionals, physiotherapy students are required to maintain a high level of integrity, as well as personal and professional ethics. The student agrees to adhere to this standard in all aspects of his program (courses, clinical placements, projects) during his interactions with colleagues, professors, clinical supervisors, clients, research participants, academic staff, etc. A list of essential skills and qualifications for physiotherapy students can be found here (http://health.uottawa.ca/rehabilitation/sites/health.uottawa.ca.rehabilitation/files/pt_skills_attributes.pdf).

Requirements for Clinical Placements

Students must adhere to the requirements established by the Office of Risk Management (http://orm.uottawa.ca/clinical-placement/) (RMO) regarding immunizations, police records and any other training or information required to ensure health and safety in clinical placement settings. It is the student’s responsibility to know these requirements and to abide by them.

Non-adherence to the requirements can have major consequences, including not being able to start a clinical placement and even withdrawal during a clinical placements.

Presence at the clinical placements is mandatory; the abandonment of a clinical placement already started without good reason is a failure. In accordance with the affiliation agreement between the University of Ottawa and the clinical institution: "The organization may terminate an internship in a clinical setting and prohibit a student from continuing it if, in its opinion, the student’s behavior represents a potential danger to its customers or patients or has a negative impact on their well-being or on the personnel of the organization ". A student who is dismissed from a clinical placement by the clinical organization will receive a failing grade for this clinical placement.

The clinical placements take place in the Ottawa region as well as in other parts of Ontario and Canada. A student may be assigned to a local clinical placement or outside. In some cases, the Consortium National de Formation en Santé (http://www.cnfs.ca/english/) (CNFS) can help with travel costs for clinical placements.

Research

Research Fields & Facilities

Located in the heart of Canada’s capital, a few steps away from Parliament Hill, the University of Ottawa is among Canada’s top 10 research universities.

uOttawa focuses research strengths and efforts in four Strategic Areas of Development in Research (SADRs):

- Canada and the World
- Health
- e-Society
- Molecular and Environmental Sciences

With cutting-edge research, our graduate students, researchers and educators strongly influence national and international priorities.

Research at the Faculty of Health Sciences

Research at the Faculty involves many important aspects of health, including women's health, health in the elderly, health needs of francophones in a minority context, Aboriginal health, physical activity and health, multiple interventions in population health, palliative care, rehabilitation and functional autonomy, health and technology, and evidence based practice.

Facilities, Research Centres and Institutes at the Faculty of Health Sciences

- The Ottawa Hospital Research Institute
- The Children's Hospital of Eastern Ontario Research Institute
- The Bruyère Research Institute
- The Community Health Research Unit
- The Institute for Rehabilitation Research and Development
- The University of Ottawa Institute of Mental Health Research
- L'Institut de recherche de l'Hôpital Montfort
- The Institute of Population Health
- University of Ottawa Heart Institute

For more information, refer to the list of faculty members and their research fields on Uniweb (https://uniweb.uottawa.ca/#!health/themes).

Courses

**PHT 5512 Anatomie fonctionnelle du système musculo-squelettique (3 crédits)**
Anatomie régionale et fonctionnelle du système musculo-squelettique.


*Volet : Cours magistral*

**PHT 5513 Biomécanique clinique (3 crédits)**

Biomécanique des tissus conjonctifs (muscules, os et articulations).

Adaptations neuromusculaires à l'activité et l'inactivité. Fondements physiologiques des adaptations neuromusculaires liées aux exercices thérapeutiques.


*Volet : Théorie et laboratoire*

**PHT 5614 Évaluations et interventions de base en musculo-squelettique (4.5 crédits)**


*Volet : Laboratoire, Cours magistral*

**PHT 5621 Douleur, agents physiques et modalités thérapeutiques (4.5 crédits)**


*Volet : Laboratoire, Cours magistral*

**PHT 5622 Fondements de la pratique au niveau du système musculo-squelettique (4.5 crédits)**

Prévalence et incidence des affections des muscles et des articulations, facteurs de risques associés. Mécanismes physiopathologiques et facteurs étiologiques, histoire naturelle, tableau clinique, indicateurs de diagnostic, de pronostic et de diagnostic différentiel. Élaboration de plans d'intervention.


*Volet : Cours magistral, Tutoriel*

Préalables : PHT 5512, PHT 5513, PHT 5614, REA 5703.

**PHT 5623 Évaluation, diagnostic et intervention au niveau du système musculo-squelettique (4.5 crédits)**

Démarche clinique pour l'évaluation, le diagnostic et l'intervention auprès de personnes ayant des déficiences et limitations d'activités découlant des affections communes du système musculo-squelettique.


*Volet : Laboratoire, Cours magistral*

Préalables : PHT 5512, PHT 5513, PHT 5614, REA 5703.

**PHT 5631 Fondements et pratiques au niveau du système cardio-respiratoire (6 crédits)**


*Volet : Laboratoire, Cours magistral, Tutoriel*

Préalable : REA 5703.

**PHT 5901 Stage I**

*Volet / Course Component: Stage / Work Term*

REA 5703 est concomitant à PHT 5901. / REA 5703 is corequisite to PHT 5901.

**PHT 5902 Stage II**

*Volet / Course Component: Stage / Work Term*

Préalables : PHT 5621, PHT 5622, PHT 5623, PHT 5901. / Prerequisites: PHT 5621, PHT 5622, PHT 5623, PHT 5901.

**PHT 6511 Évaluation et intervention auprès de personnes ayant des affections multiples I (2.5 crédits)**

Évaluation, interventions d'individus présentant des blessures, conditions ou maladies impliquant plus d’un système. Les sujets suivants seront abordés : brûlures, plaies, amputations, cancer, incontinences urinaires, grossesse, etc.


*Volet : Cours magistral*

Préalable : PHT 5622, PHT 5623.
PHT 6531 Évaluation et intervention auprès de personnes ayant des affections multiples II (2 crédits)
Volet : Cours magistral, Tutoriel
Préalable: PHT 5631, PHT 6511, PHT 6612, PHT 6613.
PHT 6532 Pratique clinique et enjeux professionnels (3 crédits)
Volet : Cours magistral, Tutoriel
PHT 6533 Outils diagnostiques spécialisés en physiothérapie (3 crédits)
Volet : Théorie et laboratoire
Préalables : (PHT 5531 ou PHT 5631), PHT 5622, PHT 6612.
PHT 6612 Fondements neurobiologiques du mouvement humain (6 crédits)
Volet : Laboratoire, Cours magistral
Préalable: REA 5703.
PHT 6613 Évaluation, diagnostic et intervention au niveau du système neurologique (4.5 crédits)
Prévalence et incidence des principales affections neurologiques chez l'adulte. Éléments de physiopathologie des principales défections sensori-motrices, étiologie. Démarche clinique pour l'évaluation. Principes généraux des interventions de rééducation pour les défections neurologiques et leurs impacts sur l'activité.
Volet : Laboratoire, Cours magistral, Tutoriel
Préalable : REA 5703.
PHT 6753 Séminaire de recherche (3 crédits)
Volet : Cours magistral, Tutoriel
Préalable: REA 5703.
PHT 6904 Stage IV / Stage IV
Volet / Course Component: Stage / Work Term
Préalables: ((PHT 5531, PHT 5532) ou PHT 5631), PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613. Concomitants: PHT 6903, PHT 6905. / Prerequisite : (PHT 5531, PHT 5532, PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613) or (PHT 5631, PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613). Corequisites: PHT 6903, PHT 6905.
PHT 6905 Stage V
Volet / Course Component: Stage / Work Term
Préalables: ((PHT 5531, PHT 5532) ou PHT 5631), PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613. Concomitants: PHT 6903, PHT 6904. / Prerequisite : (PHT 5531, PHT 5532, PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613) or (PHT 5631, PHT 5621, PHT 5622, PHT 5623, PHT 5902, PHT 6511, PHT 6612, PHT 6613). Corequisites: PHT 6903, PHT 6904.
PHT 6906 Stage VI
Volet / Course Component: Stage / Work Term
Préalables: PHT 6903, PHT 6904, PHT 6905. / Prerequisites: PHT 6903, PHT 6904, PHT 6905.
PHT 6999 Mémoire de recherche / Major Paper (6 crédits / 6 units)
Réalisation, de façon individuelle et sous la supervision d'un professeur, des diverses étapes d'un projet de recherche, incluant la recension des écrits, la collecte et l'analyse de données ainsi que la diffusion des résultats sous forme orale et écrite. Le projet de mémoire comprend la réalisation d'un module de formation sur la pratique factuelle. La soumission d'un mémoire, rapport de recherche écrit exhaustif, est exigée. / Under the supervision of a professor and performed individually, completion of the various stages of a research project, including: literature review, data collection and analysis, and presentation of the results, both orally and in written form. The completion of a training module on evidence-based practice is part of the requirements for the Major Paper. The submission of a major paper, a comprehensive written research report, is required.
Volet / Course Component: Recherche / Research
Les cours PHT 6753, REA 6503 et PHT 6999 ne peuvent être combinés pour des fins de crédits. / Courses PHT 6753, REA 6503, PHT 6999 cannot be combined for units. Grading will be on a S (satisfactory) or NS (non satisfactory) basis.