



**Welcome to the
School of Physical and Occupational Therapy 2014-2015
Cegep Orientation session**

You have been accepted into the:
**BSc Rehabilitation Science (Rehab Sci),
Major in Physical Therapy (PT) degree program**

What does this mean?

In Canada and the U.S., professional practice programs in physical therapy culminate with a minimum of a Master's degree. At McGill University preparation for the Master's program begins at the undergraduate level with the BSc (Rehab Sci), major in PT. This degree provides the foundational knowledge on which professional practice courses are built. Consequently when you enter our undergraduate program you will be taking core science courses and other fundamental courses in the first two years, followed by intensive professional courses in the final undergraduate year. This provides students with a solid knowledge base to undertake the 18 months of the Master's program and the skills to be self-directed, motivated clinicians in a rapidly expanding and complex workplace.

During the final year of your undergraduate degree you will be joined by the qualifying year (QY) students, who will be proceeding through the remainder of the program with you. Your bachelor's degree is a 3-year 90-credit program completed over 6 semesters. In order to obtain licensure to practice, however, you are then required to complete the MSc.A (PT) degree program. Students who graduate from the BSc (Rehab Sci), major in PT with a cGPA of 3.0 or better, will be accepted into the MSc.A.(PT) program.

From start to finish your sequence will be:

1. A BSc (Rehab Sci), major in PT degree completed over 3 years (6 semesters)
2. Followed by the MSc.A. (PT) degree completed over 5 consecutive semesters

All clinical courses will take place during the MSc.A.(PT) program. The first and second clinical courses will occur during the first summer semester. You will be completing your Master's research project during the second summer. Thus, the Master of Science program will be 5 consecutive terms without summer breaks.

This document provides you with the program information as well as the necessary guidance for course selection and registration. You are welcome to contact the Student Affairs Coordinator, Marlene Brettler (undergrad.spot@mcgill.ca), or myself for academic counseling and problems with respect to registration or for any other matters that you wish to discuss.

Dr. Judith Soicher
Director, Physical Therapy
Judith.soicher@mcgill.ca

Bachelor of Science (Rehabilitation Science) Physical Therapy Curriculum

B.SC. REHABILITATION SCIENCE (PT) U1 CURRICULUM			
U1 FALL	CREDITS	U1 WINTER	CREDITS
<p>ANAT 315: Anatomy Regional, Limbs/back The regional human gross anatomy of the skeleton, joints, muscles and neurovascular structures of the limbs and back</p> <p><i>Lecture: Section 001</i> <i>Lab: Section 003</i></p>	3	<p>ANAT 316: Visceral Anatomy The gross anatomy of the various organ systems of the human body, with emphasis on those aspects of greatest relevance to physical and occupational therapists. Laboratories include studies of prepared specimens, use of the anatomical museum and audiovisual materials</p> <p><i>Lecture: Section 001</i> <i>Lab: Section 002 or Ssection 003</i></p>	3
<p>PHGY 209: Mammalian Physiology 1 Physiology of body fluids, blood, body defense mechanisms, muscle, peripheral, central, and autonomic nervous systems.</p> <p><i>Lecture section 001</i></p>	3	<p>PHGY 210: Mammalian Physiology 2 Physiology of cardiovascular, respiratory, digestive, endocrine and renal systems</p> <p><i>Lecture: Section 002 (tbc)</i></p>	3
<p>PHTH 245: PT Seminars Occupational therapy and its domains through promoting health and well-being of individuals across the life span</p> <p><i>Lecture</i></p>	3	<p>POTH 225: Introduction to Biomechanics in Rehabilitation Sciences The study of fundamentals of biomechanical analysis applied to the extremities and lumbar spine. The application of biomechanical principles to clinical and research situations.</p> <p><i>Lecture: Section 001</i> <i>Lab: Section 002 or 003</i> <i>(Choose and register for one lab section)</i></p>	3
<p>2 complementary courses:</p> <p>PSYC 204: Introduction to Psychological Statistics The statistical analysis of research data; frequency distributions; graphic representation; measures of central tendency and variability; elementary sampling theory and tests of significance.</p> <p><i>Lecture: section 002</i> +</p> <p>1 additional complementary course (see section on Complementary classes page 4-6)</p>	3	<p>POTH 250: Introduction to Professional Practice This course addresses the fundamentals of professionalism and professional behavior, the principles of massage, professional touch, and basic profession-specific interviewing skills. Interviewing skills will be practiced with client-visits in the community. Cultural competence and its application to clinical practice, patient /therapist relationship, and web searching will be addressed.</p> <p><i>Lecture: Section 001</i> <i>Lab Section 002</i> <i>Clinical Teaching (Site visits): Section 003</i></p>	3
	3	<p>1 complementary course:</p> <p>PSYC 305: Statistics for Experimental Design An introduction to the design and analysis of experiments, including analysis of variance, planned and post hoc tests and a comparison of anova to correlational analysis.</p> <p><i>Lecture</i></p>	3
*Students are not permitted to register for EDKP 206, EDKP 395, or EDKP 485			
Total	15	Total	15

B.Sc. REHABILITATION SCIENCE (PT) U2 CURRICULUM

U2 FALL	CREDITS	U2 WINTER	CREDITS
<u>ANAT 323: Neuroanatomy</u> This course will focus on the structural and functional relationships of the central nervous system. The human neuroanatomy will be introduced via pathological cases and will be illustrated by use of new medical imaging techniques.	3	<u>POTH 401: Research Methods</u> A lecture and seminar course on the principles of and methods used in clinical and rehabilitation science research.	3
<u>POTH 455: Neurophysiology</u> A study of the neurophysiological principles of sensorimotor interaction as they relate to posture, motor control and cognition.	3	<u>POTH 434: Musculoskeletal Biomechanics</u> A lecture-based course covering the application of physics, engineering and technological principles of the study of the human body in health or disease at the behavioural and environmental level. The focus of this course will be on how these principles relate to clinical evaluation and rehabilitation.	3
3 complementary courses	9	<u>PHTH 440: Clinical Exercise Physiology</u> Safe and effective prescription of exercise as a preventive and therapeutic tool in patients suffering from clinical conditions.	3
		2 complementary courses	6
*Students are not permitted to register for EDKP 206, EDKP 395, or EDKP 485			
Total	15		15

B.Sc. REHABILITATION SCIENCE (PT) U3/QY CURRICULUM

U3 FALL	CREDITS	U3 WINTER	CREDITS
<u>PHTH 550 PT Orthopedic Management</u> Evaluation and treatment of patients with musculoskeletal conditions. Basics of a physiotherapy assessment and intervention principles in orthopedics.	7	<u>PHTH 552 Cardiorespiratory Rehab</u> Theoretical knowledge pertaining to the pathophysiology of various medical and surgical cardiorespiratory conditions, including evaluation and treatment.	5
<u>PHTH 551 PT Neuro Rehabilitation</u> Principles of neurorehabilitation, motor learning and neuroplasticity including assessment and treatment.	4	<u>PHTH 560 Integrated Ortho Management</u> Assessment and treatment of patients with multiple comorbidities or multiple injuries that require a multidisciplinary approach, integrated intervention strategies, life-style changes, integration into the work force and/or reintegration into the community. Introduction to mobilization techniques for limbs and spine.	6
<u>POTH 563 Foundations of Professional Practice</u> Study and analysis of foundations for professional practice and systems which impact the role of the occupational and physical therapy professional in health service delivery settings. This course includes sections on 1) healthcare environments and systems; 2) management, safety and quality assurance; and 3) professionalism and ethics.	3	<u>PHTH 561 Integrated Neuro Rehab</u> PT assessment and treatment of clients with complex neurological problems and/or multiple handicaps. 8.5 hrs per week including lecture, clinical reasoning workshops, practical labs and clinical site visits for TBI, SCI, pediatrics, acute neuro and rehab neuro.	5
Total	14	Total	16
GRADUATION WITH A BSc REHABILITATION SCIENCE, MAJOR IN PHYSICAL THERAPY DEGREE			
90 CREDITS			

COURSE SELECTION

TYPES OF COURSES

There are three types of courses that are taken over the course of your BSc Rehabilitation Science degree:

- Core
- Complementary (Required and Optional)
- Elective

1. CORE COURSES:

Required courses that must be completed in the designated semester and year (i.e. U1 fall)

- All the required courses for each year of the curriculum are set.
- You must register for each of your required courses, including any associated labs, workshops, tutorials, and/or seminars.
 - This must be completed on Minerva for both the Fall and Winter semesters
- Your U1 core courses are:

FALL 2014	WINTER 2015
ANAT 315: Anatomy Regional, Limbs/back	ANAT 316: Visceral Anatomy
PHGY 209: Mammalian Physiology 1	PHGY 210: Mammalian Physiology 2
PHTH 245: PT Seminars	POTH 225: Biomechanics: Rehab Science
	POTH 250: Health Care Delivery

2. COMPLEMENTARY COURSES

Courses that you have some choice as to which to take. You have a group of subject areas from which to make your choice and this can be tailored to your program to acquire specific background knowledge and skills.

- All complementary courses have limited enrolment. Register early for best availability.
- You can either take:
 - 24 credits of complementary classes **OR**
 - 21 credits of complementary classes and 3 credits of elective courses.
- The credits can include transfer credits, and all credits must be recorded on your file
- Make sure you do not register for any complementary or other course that is in conflict with another required or complementary course

Note:

All complementary courses must be taken and completed in U1 or U2, **before** starting U3

a. REQUIRED COMPLEMENTARY

	Subject	Course Name	Year
✓	PSYC 204	Intro to Psychology Statistics	U1
✓	PSYC 305	Statistics for Experimental Design	U1

b. OPTIONAL COMPLEMENTARY

*As long as the required courses indicated above are complete

	Subject	Course Name	Year
	Sociology	Any course	U1 or U2
	Psychology	Any course	U1 or U2
	Professional Writing	Details available at: http://www.mcgill.ca/mwc/ CEAP 250: For native English Speakers No pre-placement test required	U1 or U2
		CESL 300, 400, 500: For non-native English Speakers Pre-Placement test required	
	French as a Second Language	Details available at: http://www.mcgill.ca/flc/	U1 or U2
	Kinesiology	Refer to list of courses; Spaces are extremely limited, and there are no specific spots reserved for PT . If you are able to register, go ahead. Otherwise you need to wait to determine if the Kinesiology department will open a Minerva waitlist section for the course. If so, this will be confirmed on Minerva and not by contacting the Kinesiology Department. http://www.mcgill.ca/students/courses/add/waitlisting/	U1 or U2

Note: Except for Kinesiology (which has very limited availability), you can contact the department teaching the courses you are interested in to find out if they will open more seats or open a waitlist section

3. ELECTIVE COURSES

- Courses must be taken at the 200 level or higher.
- A maximum of 3 credits may be taken as electives
- Examples of possible electives include courses in Music, Languages (not including French and English), and Earth and Planetary Sciences.

	200/300/400 Level course	A maximum of 1 (one) World of Chemistry course is permitted	U1 or U2
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EXCEPTIONS TO THE 200 LEVEL RULE

- Introduction to Psychology: PSYC 100 which counts as a complementary psychology class AND/OR
- One (1) World of Chemistry course which counts as elective class.

**THE FOLLOWING IS A REPRESENTATIVE LISTING OF
RECOMMENDED COMPLEMENTARY COURSES
AND SHOULD NOT BE CONSIDERED AS A COMPLETE LISTING**

- These are suggested courses that fall within the required subject areas that provide foundational knowledge in preparation for the professional master's program.
- This list is not inclusive.
- Other courses in the required subject areas, not on this list, can be taken by a student with the advice of the PT Program Director (Prof. Judith Soicher) and the Undergraduate Student Affairs Coordinator (Marlene Brettler)
- *Please be aware you are required to follow any course restrictions, which can include co- or pre-requisites and space limits. These restrictions can be found by entering the CRN for the course on the registration function.*

PSYC 100	Introduction to Psychology	EDKP 261	Motor Development
PSYC 212	Perceptions	EDKP 292	Nutrition and Wellness.
PSYC 213	Cognition	EDKP 330	Physical Activities and Health
PSYC 215	Introduction to Psychology and Social Psychology	EDKP 396	Adapted Physical Activities
PSYC 304	Child Development	EDKP 447	Motor Development 2
PSYC 311	Human Cognition & the Brain	EDKP 448	Exercise and Health Psychology
PSYC 331	Intergroup Relations	EDKP 498	Sports Psychology
PSYC 332	Introduction to Personality	EDPE 208	Personality and Social Development
PSYC 333	Personality and Social Psychology	EDPE 377	Adolescence and Education
PSYC 337	Introduction: Abnormal Psychology 1	MGCR 222*	Introduction to Organizational Behaviour
PSYC 338	Introduction: Abnormal Psychology 2	NUTR 200	Complementary Nutrition
PSYC 410	Special Topics in Neuropsychology	ORGB 380*	Cross Cultural Management
PSYC 412	Deviations: Child Development	SOC1 215	Social Psychology
PSYC 471	Human Motivation	SOC1 225	Medicine & Health in Modern Society
PSYC 474	Interpersonal Relationships	SOC1 230	Sociology of Ethnic Relations
ANTH 202	Comparative Cultures	SOC1 309	Health & Illness
ANTH 206	Environment and Culture	SOC1 310	Sociology of Mental Disease
ANTH 227	Medical Anthropology	SOC1 390	Gender & Health
CHLC 351*	Foundations of Health and Social Services		* Sections offered through School of Continuing Studies

MINERVA REGISTRATION

<http://mcgill.ca/minerva>

Minerva is McGill's user-friendly web interface to McGill's central database where students can view marks, fee information, class schedules, including course descriptions and spaces available in course sections.

The information contained in this document is in addition to the information featured in the Welcome to McGill Guide (<http://www.mcgill.ca/newstudents/>)

Regular Registration Dates: June 9th - August 14th 2014

Late registration dates (a late registration fee is assessed by McGill): August 15th - September 16th 2014

NB: As long as you register on Minerva for at least 1 course by August 14th, 2014 changes can be made after August 15th, 2014 with no late registration fee.

If you have any problems, please contact:

Ms. Marlene Brettler, Undergraduate Student Affairs Coordinator
Hosmer House, Room 100, 3630 Promenade Sir-William-Osler (upper Drummond).
Telephone: (514)398-4500, Fax: (514)398-8193 Email: undergrad.spot@mcgill.ca

[Service Point is also available during business hours: \(514\) 398-7878](tel:(514)398-7878)

DO	DON'T
<ul style="list-style-type: none"> Register early to get best availability as all complementary/elective courses have limited enrolment 	<ul style="list-style-type: none"> Register for any courses, or sections of courses that are in conflict with each other
Follow any course restrictions which can include: <ul style="list-style-type: none"> Co-requisites or pre-requisites Space limits Program restrictions 	<ul style="list-style-type: none"> Don't fill your schedule with complementary credits, and leave no room for the required courses.
Note which sections for the required courses are available to you	
Use Visual Schedule Builder	
If a course is full: <ul style="list-style-type: none"> Check back to see if wait lists have opened up 	<ul style="list-style-type: none"> Don't drop a complementary/elective class unless you are sure you want to do so, and/or have already registered for another course. Once the course is dropped chances are it will quickly be registered by another student.
Reserve Closed: A specific portion (a reserved section) of the course is full. The Spaces in courses can be allotted (reserved) by the department that teaches the class. A course may still have seats available but spaces reserved for a specific group have already been taken The Psychology classes: The majority of spaces are reserved for students in the psychology program, and other spaces can be reserved for other McGill students in U1. If the other McGill U1 seats have been taken up, the message will say "reserved closed". <ul style="list-style-type: none"> Check back to see if spaces or a waitlist have opened up 	

HOW TO REGISTER

- All students must complete their registration in the core as well as complementary courses for Fall 2014, and for Winter 2015, by adding all courses individually on Minerva.
- All class times, whether you are registered in them or not or not, can be viewed on Minerva class schedule
 - To aid in scheduling, you can use Minerva and Visual Schedule Builder, which allows you to create a manual and non-conflicting timetable.
- The order in which you register does not matter (i.e. core or complementary courses)
 - However, since all courses have limited enrolment it is advisable to register for your complementary courses first to have the best options available.
 - As well, except for the statistics classes, it does not matter in which order you complete the complementary courses as long as all the requirements are met prior to entering U3.

HOW TO USE THE CLASS SCHEDULE and REGISTERING FOR COURSES USING MINERVA

Access “Registering for Courses” to view a tutorial on using Minerva:
<http://www.mcgill.ca/students/courses/add>

Access “Using Minerva to Register” for step-by-step registration instructions:
<http://www.mcgill.ca/students/courses/add/register>

1. Go to Minerva for students
(<https://horizon.mcgill.ca/pban1/twbkwbis.P WWWLogin>)
2. Enter your 9-digit student ID number and 6-digit PIN, and click **Login**
3. Click on **Student Menu**
4. Click on **Registration Menu**
5. Click Step 1: **Check Your Registration Eligibility and Verify Your Curriculum**
6. Select the term in which you wish to register (**Fall 2014**)
7. Click Submit (The **Check Your Registration Eligibility and Verify Your Curriculum** screen appears. All items for your Registration Status must permit registration before you can register)
8. Click on **Next Step** link at the bottom of the form to continue the registration process (**Search Class Schedule and Add Course Sections**)
9. Select the term of the course sections you would like to look up (You should select the same term as the term of registration you previously submitted)

LOOK UP COURSES	REGISTER FOR COURSES
<p>10. Enter the Course Number if you know it or any other additional criteria to limit your search results</p> <p>11. Search timetables for the term by selecting a Subject. From the Look Up Course Sections form, select at least one Subject or at least one Faculty to narrow course sections available(ie.If you are searching for a Sociology class: Select "SOC1" under Subject)</p> <p>12. Go to bottom and Click Get Course Sections (without adding a course number) as this will then allow you to view all the Sociology classes offered during the semester selected)</p> <p>13. From the course section results that appear, click on the CRN (Course Reference Number) to view the course description of any course in your search results.</p> <p>14. Click on the hyperlinked course title to view Detailed Course Information, including potential enrollment restrictions (i. e. If you see spaces available but not to you, and/or receive a message that says Reserve Closed, this means the seats allocated to your group (i.e. U1 students) have been filled.)</p>	<p>10. Select Occupational Therapy (PHTH) from the Subject pick-list</p> <p>11.Enter 245 in the Course Number field</p> <p>12.Click on Get Course Sections</p> <p>13. Put a check in the checkbox next to the CRN with Subject: PHTH and Course Number: 245</p> <p>14.Click on Register</p> <p>15. Repeat these steps to add <u>each required course and all associated sections, as well as your complementary/elective selections for Fall 2014</u></p> <p>16. Repeat these steps to add <u>each required courses and all, associated sections, as well as your complementary/elective courses, for Winter 2015</u></p> <p>17. Remember: For a course that has more than one schedule type (eg. a course composed of lecture and laboratory), you will have to register separately for each type</p> <p>18. Click on exit icon at top right corner of your browser to exit</p>

Note: You will NOT be able to register if you have any outstanding fee balance with the University If you have any holds that prevent you from registering, you will have to take care of them before you are able to register on Minerva.

Important: For a course that requires registration using a permit override, you can only use Quick Add or Drop Course Sections to register. If you are not registering using a permit override and there is no checkbox before the CRN, click HELP for more details. After viewing any registration error you encounter, click the MENU to try registering for another course.

SUMMARY

- ❖ Have you looked at the U1 curriculum to find which courses and sections of courses are required? There are spaces for all students in the required classes.
Refer to: Page 2

- ❖ Have you noted the differences between core, complementary, and elective classes? Keep checking for space in the complementary courses since students are adding and dropping classes from the opening of registration up to and including September.
Refer to: Pages 4-6

- ❖ Have you looked at which complementary courses that interest you and will fit in your timetable? Remember, Visual Schedule Builder as well as Class Schedule on Minerva are available to help you plan your timetable.
Refer to: Page 6

- ❖ Have you noted the “Do’s and Don’t’s” table?
Refer to: Page 7

We wish you a good summer.

Check out all the Orientation Week events at:
<http://www.mcgill.ca/firstyear/undergrad-students/week>

We look forward to seeing you at **the compulsory orientation session** on:
Tuesday August 26th 2014