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## 1 The School

### 1.1 Location

School of Physical and Occupational Therapy  
Davis House  
3654 Promenade Sir-William-Osler  
Montreal, QC H3G 1Y5  
Canada

Telephone: (514) 398-4500

Fax: (514) 398-6360

Website: <http://www.medicine.mcgill.ca/spot/>

### 1.2 Administrative Officers

ABRAHAM FUKS, B.Sc., M.D., C.M.(McG.) F.R.C.P.(C)  
**Dean, Faculty of Medicine**

ROBERT DYKES, B.A.(UCLA), Ph.D.(Johns H.) **Director**

KATHERINE BERG, B.P.T., B.Sc.P.T., M.Sc.(Rehab Sc.),  
Ph.D.(McG.) **Associate Director, Physical Therapy**

SANDRA EVERITT, B.Sc.(O.T.), M.A.(McG.)  
**Associate Director, Occupational Therapy**

DIANE ST. PIERRE; B.Sc.(P.T.)(McG.), M.Sc.,  
Ph.D.(Montr.) **Associate Director, Graduate Program**

HÉLÈNE MARION **Administrative Officer**

### 1.3 Staff of the School

#### Professors

Hugues Barbeau; B.Sc.(P.T.), M.Sc., Ph.D.(Laval)

Robert Dykes; B.A.(UCLA), Ph.D.(Johns H.)

Erika Gisel; B.A.(Zur.), B.S.O.T., M.S., Ph.D.(Temple)

Sharon Wood-Dauphinee; B.Sc.(P.T.), Dip.Ed., M.Sc.A.,  
Ph.D.(McG.)

#### Associate Professors

Edith P. Aston-McCrimmon; B.Sc.(P.&O.T.), Dip.Ed.,  
M.Sc.A.(McG.)

Katherine Berg; B.P.T., B.Sc. P.T., M.Sc.(Rehab Sc.),  
Ph.D.(McG.)

Joyce Fung; B.Sc.(P.T.)(Hong Kong Polytech. U),  
Ph.D.(McG.)

Eva Kehayia; B.A., M.A., Ph.D.(McG.)

Nicol Korner-Bitensky; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)  
(part-time)

Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)

Nancy Mayo; B.Sc.(P.T.)(Queen's), M.Sc., Ph.D.(McG.)

Patricia McKinley; B.A., M.A., Ph.D.(U.C.L.A.)

Diane St. Pierre; B.Sc.(P.T.)(McG.), M.Sc., Ph.D.(Montr.)

#### Assistant Professors

Sophie De Serres; B.Eng., M.Eng.(Ecole Polytech.),  
Ph.D.(Alta.)

Sandra Everitt; B.Sc.(O.T.), M.A.(McG.)

Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virginia),  
Ph.D.(Rehab.Sc.)(McG.)

Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)

Nicole Paquet; B.Sc.(P.T.), M.Sc.(Laval), Ph.D.(McG.)

Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br.Col.), Ph.D.(Tor.)

#### Faculty Lecturers

Liliane Asseraf-Pasin; B.Sc.(P.T.) (McG.)

Sylvie Beaulieu; B.Sc.(O.T.)(Montr.), M.Sc.(Rehab.Sc.)  
(McG.) (part-time)

Mary-Ann Dalzell; B.Sc.(P.T.), M.Sc.A.(McG.) (part-time)

Jean-Pierre Dumas; B.Sc.(P.T.)(McG.), M.Sc. Sciences

Bioméd.(Montr.) (part-time)

Sandra Fucile; B.Sc.(O.T.), M.Sc.(Rehab.Sc.)(McG.) (part-  
time)

Anouk Lamontagne; B.Sc., M.Sc., Ph.D.(Laval)

Caroline Storr; B.Sc.(O.T.), M.B.A.(C'dia) (part-time)

Beverlea Tallant; Dip. P.&O.T.(Tor.), B.Sc.(O.T.)(McG.),  
M.A., Ph.D.(C'dia)

Aliki Thomas; B.Sc.(O.T.), M.Ed.(McG.)

**Associate Members**

S.G. Gauthier; B.A., M.D.(Montr.), F.R.C.P.(C), Director, Centre for Studies in Aging, Dept. of Neurology and Neurosurgery, Dept. of Psychiatry, Dept. of Medicine  
 A.E. Grassino; M.D.(Rosario), Dept. of Medicine; Head, Respiratory Division, Université de Montréal  
 J.A. Hanley; B.Sc., M.Sc.(Nat. U. Ireland), Ph.D.(Waterloo)  
 J.L. Henry; B.Sc.(Tor.), M.Sc., Ph.D.(W.Ont.), Dept. of Anesthesia Research, Dept. of Physiology, Dept. of Psychiatry  
 R.E. Kearney; B.Eng., M.Eng., Ph.D.(McG.) Chair, Biomedical Engineering Department  
 R. Melzack; B.Sc., M.Sc., Ph.D.(McG.), Dept. of Psychology  
 D. Pearsall; B.A., B.PHE., M.S., Ph.D.(Queen's)  
 B. Rosenblatt; B.Sc., M.D.,C.M.(McG.), Dept. of Neurology and Neurosurgery  
 D. Watt; M.D., Ph.D.(McG.), Director, Aerospace Medical Research Unit

**Adjunct Professors**

M. Bélanger; B.Sc., M.Sc.(Wat.), Ph.D.(Montr.)  
 A. Beuter; M.Sc.(Wis.), Ph.D.(UCLA, Berkley)  
 P.F. Gardiner; B.P.H.E., M.P.E.(Windsor), Ph.D.(Alta.), Département d'éducation physique, Université de Montréal  
 M. Groher; B.A., M.A.(U. of Redlands), Ph.D.(Wash.)  
 J. Held; B.Sc., P.T.(SUNY), Ed.D.(Columbia)  
 S.M.Henry; B.S., P.T., Ph.D.(Vt)  
 C. Lau; B.A. (UCLA, Berkeley), Ph.D.(U. of Illinois Medical Center)  
 P. Weiss; B.Sc.(O.T.)(W.Ont.), M.Sc.(Wat.), Ph.D.(McG)  
 J. Ivan Williams; B.Sc.(Nebraska Wesleyan), M.A.(N. Hampshire), Ph.D.(Florida State)

**1.4 History of the School**

In response to the marked need for rehabilitation specialists in Canada at the time of the Second World War, the School of Physiotherapy was started at McGill University in 1943. It was the first Canadian School to be under the aegis of a Faculty of Medicine. Initially, the School offered a two-year program in physiotherapy plus internship, upgraded to a three-year program in 1947.

In 1950, Occupational Therapy was introduced in a three-year combined Physical and Occupational Therapy diploma program, followed by two months of internship in each profession. The School was given its present name the following year. In 1954, McGill introduced Canada's first B.Sc. program in Physical and Occupational Therapy, together with separate diploma programs in Physical Therapy and in Occupational Therapy.

Due to the advancement of science and technology and to the increasing emphasis on health care needs of society, the programs have evolved, integrating a greater academic and scientific base over the ensuing decades. Thus the diploma programs were phased out, allowing for the creation of the B.Sc. degree in Physical Therapy in 1969, and the B.Sc. degree in Occupational Therapy in 1971. The School vigilantly and continually revises these science-based curricula, to prepare the best qualified graduates for entry into professional practice or advanced studies in rehabilitation.

At the graduate level, an M.Sc. (Applied) program in Health Science (Rehabilitation) was initiated in 1972 and formally approved in 1976. To provide the foundation for the development of a doctorate degree, it was changed from an applied to a thesis degree in 1982. The School now offers both an M.Sc. program in Rehabilitation Science and, since 1988, a Ph.D. program in Rehabilitation Science, the first of its kind in Canada.

**1.5 List of Programs**

Bachelor of Science in Occupational Therapy, B.Sc.(Occ.Ther.).  
 Bachelor of Science in Physical Therapy, B.Sc.(Phys.Ther.).  
 M.Sc. (Applied) in Rehabilitation Science.  
 M.Sc. in Rehabilitation Science.  
 Ph.D. in Rehabilitation Science.

**2 Programs and Admission Information****2.1 Professional Profiles**

**Occupational Therapy.** Occupational therapy examines all aspects of how occupation as a therapeutic intervention enhances and enables health related quality of life. Individuals who are affected by physical injury, disability or psychosocial dysfunction are among the clientele served by occupational therapists. Occupational therapy maximizes independence, prevents disability and promotes health across the lifespan, from early intervention in infancy to preventive interventions with the well elderly. In the field of mental health, the occupational therapist contributes to clarifying the functional psychiatric diagnosis and assists clients in coping with environmental stress and integration into the community.

**Physical Therapy.** Physical Therapists are health professionals who use their specialized skills to improve patients' physical dysfunction resulting from acute events such as accidents, neurological incidents or chronic conditions such as pulmonary disease. Besides providing direct care to patients, physical therapists conduct scientific research, work in industry to prevent injury in the workplace and participate in developing community-based preventive activities.

**2.2 Professional Undergraduate Programs Offered****Bachelor of Science in Occupational Therapy, B.Sc.(Occ.Ther.)**

This academic/clinical program consists of seven semesters over three years following a Quebec Collegial Program in the Sciences or equivalent. Included are courses in science together with professional education in occupational therapy. Clinical experience is provided in the teaching hospitals of the Faculty of Medicine, McGill University, and other affiliated centres. One summer clinical semester of 12 weeks is completed during the summer preceding the final year. The clinical hours completed over the three-year/seven-semester program exceed 1,000 hours. The credit weighting for this program is 105 credits.

**Bachelor of Science in Physical Therapy, B.Sc.(Phys.Ther.)**

This academic/clinical program consists of seven semesters over three years following a Quebec Collegial Program in the Sciences or equivalent. Included are courses in science together with professional education in physical therapy. Clinical experience is provided in the teaching hospitals of the Faculty of Medicine, McGill University, and other affiliated centres. One summer clinical semester of 12 weeks is completed during the summer preceding the final year. The clinical hours completed over the three-year/seven-semester program exceeds 1,000 hours. The credit weighting for this program is 105 credits.

**2.3 Requirements for Admission**

The nature of the professional programs in both occupational therapy and physical therapy is under review. Changes to the professional degrees offered by the School of Physical and Occupational Therapy are under consideration by the University and, if approved, may result in program changes as early as September 2003.

The proposed program changes would be accompanied by revised entrance requirements that would be posted on the McGill website <http://www.mcgill.ca/applying> as soon as they have been confirmed by the University. Information will also be available from the Admissions, Recruitment and Registrar's Office, James Administration Building, 845 Sherbrooke Street W., Montreal, QC H3A 2T5. Telephone: (514) 398-3910. Email: [admissions@mcgill.ca](mailto:admissions@mcgill.ca), as well as from the School of Physical and Occupational Therapy.

**2.3.1 Admission Requirements for Current Programs**

**ALL APPLICANTS** must complete at least 50 hours of volunteer or paid work in a health care facility or other appropriate rehabilita-

tion environment. A letter (or letters) of reference to attest to the service must be submitted prior to August 1 of the entering year.

**Quebec applicants** who have obtained a CEGEP Diploma of Collegial Studies are expected to have taken the following prerequisite courses: Biology - 00UK, 00XU; Chemistry - 00UL, 00UM, 00XV; Mathematics - 00UN, 00UP; Physics - 00UR, 00US, 00UT.

**Applicants who have completed a minimum of one year of college/university studies (or equivalent)** are expected to have taken the following university/college-level courses: two semesters of biology with labs; two semesters of general chemistry with labs; one semester of organic chemistry with lab; two semesters of physics (mechanics, electricity and magnetism, waves and optics) with labs; one semester of differential calculus; and one semester of integral calculus.

**Applicants from the United Kingdom and Commonwealth countries** must have completed two A-Level subjects with final grades of B or better, and two A-Level subject with a final grade of C or better. A-Level subjects must include Biology, Chemistry, Mathematics and Physics.

**Applicants with a French Baccalaureate** must have completed Series S, with a minimum overall average 12/20 and a minimum of 10/20 in each mathematics, biological and physical sciences course. Applicants may be required to complete additional courses in organic chemistry prior to admission.

**Applicants with an International Baccalaureate** must have completed Biology, chemistry, mathematics, and physics at Higher Level.

#### McGill Inter-faculty Transfer

**NOTE:** McGill students who have completed fewer than 24 credits or who will have completed an undergraduate degree by August 1 of the entering year should address their application directly to the Admissions, Recruitment and Registrar's Office, James Administration Building.

McGill students applying for an inter-faculty transfer must have completed a minimum of two semesters of study at McGill, taken all the prerequisite courses: two semesters of biology, two semesters of general chemistry, one semester of organic chemistry, two semesters of physics (including mechanics, electricity and magnetism, waves, optics), and two semesters of calculus (differential and integral); and have satisfied the paid/volunteer experience described above by March 31 of the entering year.

Students applying for an inter-faculty transfer into the Bachelor of Science programs offered at the School of Physical and Occupational Therapy should apply directly to the School of Physical and Occupational Therapy. Application forms are available from the School after January 5 of the year applying. The completed application form must be received by the School no later than March 31 of the entering year.

#### Science Prerequisite Courses – McGill Inter-faculty Transfer

High school graduates from outside Quebec who have been accepted into a 120-credit Science program and who wish to transfer into Physical or Occupational Therapy after their first year must have taken the courses listed below to be eligible to apply to transfer into Physical or Occupational Therapy. Such students must apply directly to the School under the inter-faculty transfer program to enter the B.Sc.(Occ.Ther.) or B.Sc.(Phys.Ther.).

##### Fall Term

BIOL 111	(3)	Principles of Organismal Biology
CHEM 110	(4)	General Chemistry – Biological
MATH 139	(4)	Calculus
or MATH 140	(3)	Calculus1
PHYS 101	(3)	Introductory Physics – Mechanics

##### Winter Term

BIOL 112	(3)	Cell and Molecular Biology
CHEM 120	(4)	General Chemistry – Biological
CHEM 212*	(4)	Organic Chemistry 1
MATH 141	(4)	Calculus 2
PHYS 102	(4)	Introductory Physics – Electromagnetism

\* Alternatively, this course can be taken intensively in the summer term in the month of May, the recommended option. It can only be taken in the winter term by students who have a fall term overall average of B+.

## 3 General Information

### 3.1 Language Policy

The language of instruction at McGill is English. Every student has a right to write term papers, examinations and theses in English or in French except in courses where knowledge of a language is one of the objectives of the course.

Entering students should be aware that most of the clinical affiliation placements undertaken in the province of Quebec, including those in Greater Montreal, require proficiency in both French and English.

It is recommended that students who lack proficiency in English or French avail themselves of the opportunity to take an intensive English or French as a second language course, prior to, or early in, their program of studies.

### 3.2 Vaccination and CPR Requirements

Students in all health care programs must comply with the vaccination requirements described on [page 9](#).

Valid CPR certification level "C" is required prior to going into any of the clinical affiliation placements. Proof of valid certification must be presented no later than January 30th of the first year of the program to enable the student to enter the first clinical affiliation in March of that year. This certification must be maintained throughout the three years of the program.

### 3.3 Prizes, Awards and Loans

#### UNDERGRADUATE PRIZES AND AWARDS

**CANADIAN PHYSIOTHERAPY ASSOCIATION AWARD**, presented to the student with the highest standing throughout the B.Sc. (Phys.Ther.) program.

**CANADIAN PHYSIOTHERAPY CARDIO-RESPIRATORY SOCIETY (CPCRS) STUDENT EXCELLENCE AWARD**, presented to the graduating student who has demonstrated excellence in the area of cardio-respiratory physiotherapy.

**CAROL RUTENBERG-SILVER MEMORIAL AWARD**, established by the family in memory of Carol Rutenberg-Silver, a Physical Therapy graduate of 1958. Awarded annually to the student with the highest standing in the final year of the B.Sc.(Phys.Ther.) program.

**CANADIAN ASSOCIATION OF OCCUPATIONAL THERAPISTS' AWARD**, presented to the student with the highest standing throughout the B.Sc.(Occ.Ther.) program.

**HELEN M. GAULT AWARDS**, presented to a graduating student in Occupational Therapy and a graduating student in Physical Therapy who have demonstrated the most outstanding qualities of leadership, scholarship and professionalism throughout their undergraduate program.

**MCGILL ALUMNAE SOCIETY PRIZE**, presented upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students. Value: \$150.

**SANDRA PERLMAN MEMORIAL PRIZE**, established in memory of Sandra Perlman, a graduate of the School of Physical and Occupational Therapy, P.T. class of 1958, and B.Sc.(Phys.Ther.) class of 1976 by her niece, Dr. Robyn Pugash. Awarded annually to the final year Physical Therapy student who, in the opinion of faculty, best exemplifies attributes desirable of a caring professional, these being compassion, empathy, concern for the needs of the patient and devotion to the profession. Value: \$150.

**CLINICAL PRIZE OF EXCELLENCE**, awarded by L'Ordre des physiothérapeutes du Québec to the student demonstrating exceptional



overall performance in attaining the objectives of the clinical placements throughout the B.Sc.(Phys.Ther.) program.

### UNDERGRADUATE SCHOLARSHIPS

#### CLIFFORD C.F. WONG SCHOLARSHIP

#### 黃振輝獎學金

Established in 1989 by the late Clifford C.F. Wong, B.Arch. (1960) to recognize distinguished academic standing. Awarded by the School of Physical and Occupational Therapy to a continuing student having completed at least one year in the Bachelor of Science program in Physical or Occupational Therapy. Value: \$1,400.

**WOMEN ASSOCIATES OF MCGILL SCHOLARSHIP**, awarded on the basis of high academic standing to an undergraduate student having completed at least one year in the B.Sc. degree program in Physical or Occupational Therapy. Preference is given to women students. Value: \$1,500.

**SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY SCHOLARSHIPS FUND**, established in 1992 by the University and by graduates and friends of the School to provide awards based on academic achievement to students in the top 5% of the School. Granted by the School of Physical and Occupational Therapy to equalize the value of awards to students of comparable standing. Awards range in value from \$100 to the level of the major entrance scholarships, in increments of \$100.

### GRADUATE FELLOWSHIPS

**JUDITH KORNBLOTH-GELFAND FELLOWSHIP**, established by her husband and Dynamic Capital Corporation as a tribute to Judith Kornbluth-Gelfand (P.T., Class of 1958 and B.Sc. P.T., class of 1976), in recognition of her interest in children suffering from neurological and neuromuscular disorders. Awarded by the School of Physical and Occupational Therapy to an outstanding graduate student conducting research studies to improve the efficacy of physiotherapeutic rehabilitation with preference to pediatrics, neurological and neuromuscular disorders. Value: minimum of \$2,000.

**BARBARA ROSENTHAL PRIZE IN PHYSICAL AND OCCUPATIONAL THERAPY**, established in 1992 as a tribute to Barbara Rosenthal's long-standing affiliation with the McGill School of Physical and Occupational Therapy and her devoted years of service to the practice of occupational therapy. Awarded to a full-time student in the Master's program in Rehabilitation Science with preference being given to an occupational therapist. The prize is given by the School of Physical and Occupational Therapy on the basis of high academic standing during the first year of the program. Value: minimum of \$235.

A complete list of scholarships, bursaries, prizes and awards, and the regulations governing the various loan funds, are given in the *Undergraduate Scholarships and Awards Calendar* and in the Graduate Fellowships and Awards Section of the *Graduate and Postdoctoral Studies Calendar*. These Calendars are available on the web, <http://www.mcgill.ca>.

### 3.4 Licensing Regulations

Graduates from McGill may seek licensure around the world. Each country, province or state sets its own requirements for licensure which may necessitate examination, further course work and/or the TOEFL.

Certain provinces in Canada, states of the United States of America, and other countries require that those intending to practise occupational therapy or physical therapy within their borders comply with special provincial or state licensing regulations. Further information may be obtained from the offices of the associations listed in [section 3.5](#).

Graduates seeking licensure in the United States should be aware that recent reforms in licensing and immigration laws have led to new requirements for internationally educated health care professionals entering the country.

In order to practise occupational therapy or physical therapy in the province of Quebec, a permit must be obtained from the appropriate provincial regulatory body. Quebec law also requires that

candidates seeking admission to the provincially-recognized Quebec regulatory bodies must possess a working knowledge of the French language, i.e., be able to communicate verbally and in writing in that language. For further information, refer to [page 8](#).

Occupational therapists practising in Canada (except Quebec and Manitoba) are required to pass a National Certification Examination after graduation. For information, write to the Canadian Association of Occupational Therapists (see below).

Physical therapists who graduated from 1993 onwards who wish to practise in provinces in Canada (other than Quebec) are required to pass a Physiotherapy National Examination. For confirmation, write to the Alliance of Physiotherapy Regulatory Boards.

### 3.5 Professional Organizations

Since 1995-96 all the clinical affiliation hours required to comply with the standards necessary for membership in both the national and provincial associations for each profession are included within the program.

Students registered in the program prior to 1995 were required to complete further clinical practice in accredited occupational or physical therapy departments.

This standard is compatible with the licensing requirements in provinces where legislation is in force.

#### Canadian National Offices

Canadian Association of Occupational Therapists  
Carleton Technology Training Centre  
Suite 3400, Carleton University  
1125 Colonel By Drive, Ottawa, ON K1S 5R1  
Telephone: (613) 523-CAOT(2268)  
Toll Free: 1 (800) 434-CAOT(2268)  
Fax: (613) 523-2552  
Website: <http://www.caot.ca>

Canadian Physiotherapy Association  
(Toronto Office)  
2345 Yonge Street, Suite 410  
Toronto, ON M4P 2E5  
Telephone: (416) 932-1888 Toll Free: 1 (800) 387-8679  
Fax: (416) 932-9708  
Email: [information@physiotherapy.ca](mailto:information@physiotherapy.ca)  
(Ottawa Office)  
1400 Blair Place, Suite 205  
Gloucester, ON K1J 9B8  
Telephone: (613) 564-5454 Fax: (613) 564-1577  
Website: <http://www.physiotherapy.ca/>

Alliance of Physiotherapy Regulatory Boards  
1243 Islington Avenue, Suite 501  
Etobicoke, ON M8X 1Y9  
Telephone: (416) 234-8800 Fax: (416) 234-8820  
Website: <http://www.alliancept.org/>

#### Quebec Provincial Offices

Ordre des ergothérapeutes du Québec  
2021 Union Street, Suite 920  
Montréal, QC H3A 2S9  
Telephone: (514) 844-5778 Fax: (514) 844-0478  
Website: <http://www.oeq.org/>  
Email: [ergo@oeq.org](mailto:ergo@oeq.org)

L'ordre professionnel des physiothérapeutes du Québec  
7101, Rue Jean-Talon est, bureau 1120  
Anjou, QC H1M 3N7  
Telephone: (514) 351-2770 Toll Free: 1 (800) 361-2001  
Fax: (514) 351-2658  
Website: <http://www.oppq.qc.ca>  
Email: [physio@oppq.qc.ca](mailto:physio@oppq.qc.ca)

#### International Offices

Please check websites of individual countries and states for specific licensing requirements.

### 3.6 Program Accreditation

The Physical Therapy Program is accredited through the Accreditation Council of Canadian Physiotherapy Academic Programs (ACCPAP).

The Occupational Therapy program is accredited by the Canadian Association of Occupational Therapists.

## 4 Regulations Governing Attendance, Advancement and Examinations

### 4.1 Attendance and Term Work

Students will not be permitted to write an examination in any course unless they have fulfilled the requirements of the course, including those of attendance, to the satisfaction of the instructor and the Associate Director of the Program.

It is the responsibility of the students to make sure at the time of registration that there is no conflict in the timetable of the courses which they propose to follow.

Students are required to attend lectures regularly if the faculty so rules and are required to attend practical classes and laboratories. Students who miss more than three practical classes or laboratories in a course without one of the legitimate excuses will not be permitted to take the final examination. Attendance will be taken at all practical classes. Reasons for absences are dealt with only by the Associate Director. For illness necessitating an absence of a week or more, a medical certificate should be presented to the Office of the Associate Director immediately after a student's return to normal attendance. Other legitimate absences include participation in an event on behalf of McGill University or a family tragedy. The instructor must be notified in advance of the event, if at all possible.

Students arriving late for lectures may be denied entrance by the instructor.

### 4.2 Credit System

All courses carry a credit rating. A total of 105 credits must be passed for a B.Sc. degree in Occupational Therapy or in Physical Therapy.

Courses can be graded either by letter grades or in percentages, but the official grade in each course is the letter grade.

Grades	Grade Points	Numerical Scale of Marks
A	4.0	85 - 100%
A-	3.7	80 - 84%
B+	3.3	75 - 79%
B	3.0	70 - 74%
B-	2.7	65 - 69%
C+	2.3	60 - 64%
C	2.0	55 - 59%
D	1.0	50 - 54%
F (Fail)	0	0 - 49%

The earned grade point for each course is calculated by multiplying the credit rating of the course by the numerical equivalent of the letter grade earned. Standing will be determined on the basis of a grade point average (GPA) computed by dividing the sum of the grade points accumulated during the year by the total course credits attempted.

The cumulative grade point average (CGPA) will be the grade point average calculated using the student's entire record in the program. A failed course will continue to be used in the calculation of the CGPA even after the course is repeated and passed, or if a supplemental examination is taken.

#### OTHER LETTER GRADES

**J** – unexcused absence (failed): the student is registered for a course but does not write the final examination or do other required work; calculated as a failure in the GPA and CGPA. (See note below.)

- K** – incomplete; deadline extended for submission of work in a course (see section 4.11).
- KE or K\*** – further extension granted (see section 4.11).
- KF** – failed to meet the extended deadline for submission of work in a course; counts as a failure in the GPA and CGPA.
- KK** – completion requirement waived.
- L** – deferred examination.
- LE or L\*** – permitted to defer examination for more than the normal period.
- NR** – no grade reported by the instructor (recorded by the Registrar).
- P** – pass; not included in GPA.
- Q** – course continued in next term.
- S** – Satisfactory; equivalent to C or better in an elective course; not included in GPA. (see section 4.3)
- U** – Unsatisfactory; equivalent to D or F in an elective course; not included in GPA. (see section 4.3)
- W** – withdrew; a course dropped, with permission, after the change of course period; not included in GPA.
- WF** – withdrew failing; a course dropped, with special permission in exceptional case, after faculty deadline for withdrawal from course, the student's performance in the course at that stage being on the level of an F; not included in GPA.
- WL** – faculty permission to withdraw from a deferred examination.
- NA or &&** – grade not yet available.
- W-- or --** – no grade: student withdrew from the University.

Note re J grade:

Students may appeal the assignment of the grade of J, but circumstances such as appearing at the incorrect time for an examination would not normally be sufficient reason for this grade to be relaxed by a deferral. Students who have earned sufficient marks to pass the course even though the final examination is not written, may opt to have their grade based on the record to date.

### 4.3 Satisfactory/Unsatisfactory Option

The University S/U grading option can be applied only to elective courses, not to required or complementary courses, or to professional courses with the designation of OCC1, PHTH, and POTH. It is, therefore, not normally available to students following the Physical Therapy and Occupational Therapy programs.

### 4.4 Course Numbering System

Each McGill course is assigned a unique seven character course "number". The first four characters (Subject Code) refer to the unit offering the course. The three numbers following the Subject Code refer to the course itself, with the first of these indicating the level of the course.

Prior to the 2002-03 academic year, course numbers began with three-digit Teaching Unit Codes. Those previously used by the School have been replaced as follows:

- OCC1 (replaces 580)
- POTH (replaces 582)
- PHTH (replaces 581)

### 4.5 Academic Advancement

There are two categories of standing: Satisfactory and Unsatisfactory.

A student who has fulfilled the course requirements for each year of the program and maintains a GPA of 2.3 or above is in Satisfactory Standing and may continue in the program.

Full time students in Satisfactory Standing take between 12 and 18 credits per term. A load of 19 credits per term is permitted for students whose GPA is above 3.0.

A GPA of less than 2.3 places a student in Unsatisfactory Standing. Students must withdraw from the School.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of the instructors, the student is incompetent.

#### 4.5.1 Course Requirements for Academic Advancement

Advancement to the next year of the program is dependent on the student having taken all the prescribed courses in one particular year and having passed them at the designated grade level stipulated as follows:

- at least a C+ (60%) in courses specific to the profession including each course section for course designations of OCC1, PHTH and POTH;
- at least a C (55%) in all other courses;
- a P (Pass) for the clinical courses OCC1 220 and PHTH 220 and at least a B (70%) in OCC1 320, PHTH 320, OCC1 321, PHTH 321, OCC1 420, PHTH 420, OCC1 422, and PHTH 421. Please refer to the P&OT U1 Course Guide, 2002-03 edition, for the P (Pass) requirements.

#### 4.6 Supplemental Examination Requirements

Students who do not obtain the designated passing grade in a course may be granted the privilege of taking a supplemental examination by the Promotions Committee subject to the following conditions:

- The grade point average of the student is 2.3 or higher in the particular academic year, and
- that not more than seven (7) credits of supplementals be permitted for the particular academic year.
- For professional courses (course designation OCC1, PHTH, or POTH) in which the student has received less than a C+ grade, the supplemental, if granted, must be taken the next time it is given. If, at that time a grade of C+ or better is not obtained, the course can be repeated once. After one course repetition, if a grade of C+ or better is not obtained, the student must withdraw from the program.
- Any student obtaining a D, F or U in any required Science course, or Arts or Science complementary or elective course may be granted permission to take a supplemental, subject to a) and b) above. If, at that time, a grade of C or better is not obtained, the course must be repeated. Another elective course may be substituted for a failed elective course.
- In professional courses (course designation OCC1, PHTH, or POTH) which are subdivided into sections, each section must be passed with a grade of C+ or better. If a student obtains less than a C+ grade in a section when the overall course mark is C+ or better, the course mark will be withheld from the record until proficiency in each section, as evidenced by a grade of C+ or better is obtained. The student must undertake a second evaluation of the section before the next academic year. If the student still fails to obtain a grade of C+ or better in the section, the section must be repeated the next time the course is offered and the evaluation done at the next regularly scheduled time. Once that student obtains a grade of C+ or better in that section, the original course mark will be recorded. If the section is not passed with a grade of C+ or better after one repetition, the mark for the course will be changed from a K to a KF. This will require the student to withdraw from the program.
- The supplemental exams for failed professional courses in Year 1, Fall Term which are prerequisite to Clinical Affiliation 1 (OCC1 220 or PHTH 220) will be given during the U1 March examination week. If the student passes that supplemental exam with a C+ or better, the student will be placed in a 6-week clinical rotation. If the student does not pass the supplemental exam for the failed prerequisite course with a grade of C+ or better, the student may not continue in the professional part of the program. The failed prerequisite course can be repeated the next time it is given. If a grade of C+ or better is attained, the student may then continue in the program. If a grade of C+ or better is not obtained after that course repetition, the student must withdraw from the program.

Satisfactory standing in all required professional courses and clinical placements each year is mandatory to be able to continue in either the Physical or Occupational Therapy programs.

The designated clinical courses in the programs are: PHTH 220, PHTH 320, PHTH 321 and PHTH 420 and PHTH 421 in Physical Therapy and OCC1 220, OCC1 320, OCC1 321 and OCC1 420 and OCC1 422 in Occupational Therapy.

Students must pass all designated prerequisite and required professional courses preceding any clinical placement. If a student fails a clinical placement, one remedial clinical placement is allowed. Remedial placements will be arranged at the discretion of the respective program Academic Coordinator of Clinical Education (ACCE). Given the nature of clinical placement, students are warned that a repeated placement cannot be identical to a failed one. Subsequent failures in any clinical course will result in the student being required to withdraw from the program.

In order to advance into Year 2, the Year 1 clinical course OCC1 220 or PHTH 220 must be completed satisfactorily. If a remedial placement is required for this course, it must be completed successfully during June, July or August prior to the commencement of the Fall Term in Year 2.

If a student fails and therefore repeats a clinical placement in Year 2, the student's program will be extended for one or more additional terms. Please refer to the Physical or Occupational Therapy U2 course guide, 2002-03 edition, for the conditions for academic advancement within the clinical program.

#### 4.7 Degree Requirements

Students in Occupational or Physical Therapy must complete a total of 105 course credits for the degree of B.Sc.(Occ. Ther.) or the degree of B.Sc.(Phys. Ther.) (i.e., passed courses whose credit total is 105), have passed satisfactorily all professional courses, and have a CGPA of at least 2.3 at McGill.

#### 4.8 Academic Credit Transfer Agreement

In certain cases, credits may be granted by the School for courses taken at other universities. Approval by the Associate Director is necessary and should be obtained in advance.

Students wishing to take advantage of this agreement should consult the Student Affairs Office for details, and are informed that this agreement is subject to the following conditions:

- the other universities concerned may, at their discretion, refuse the registration of a student for any of its courses;
- the obligation of the student to follow the curriculum laid down by McGill is not affected;
- the student is responsible for ensuring that the McGill timetable permits these courses to be taken without conflict;
- the universities concerned are not responsible for special arrangements in cases of examination or timetable conflicts;
- marks earned at the host university will not appear on McGill transcripts or be included in McGill grade point averages;
- scholarship holders should consult with the Scholarships Office concerning eligibility for continuation or renewal of their awards.

Students may take advantage of this agreement by completing the Inter-University Transfer (IUT) form\* available from the Student Affairs Office. This form permits the student to obtain the required authorizations.

\*A web-based IUT Application is being developed for Winter 2003. Please consult the McGill website <http://www.mcgill.ca> (search word IUT) for further information.

#### 4.9 Examinations

Instructors are not permitted to grant any special treatment regarding examinations to any student. Faculty requires all instructors to decline to discuss marks with students before their official publication.



#### 4.9.1 Interim Class Tests and Mid-Term Examinations

Members of the teaching staff may give interim class tests if they consider them necessary. The class will be advised at the beginning of the course when they will occur with the mark allocation. Students will be informed of all course requirements by the end of the course change period. The timing of the class tests is at the discretion of the professor, but no written tests will be given during the last two weeks of the term, except where a pattern of continued evaluation has been established, in which case the total value of examinations given in this period shall comprise no more than 10% of the final mark.

Mid-term examinations for one semester courses are given close to the middle of the term. In those courses that span the Fall and Winter terms, instructors who wish to give a mid-term examination in December, must schedule it in the formal examination period. Make-up examinations follow the same rules as for class tests.

#### 4.9.2 Final Examinations

Final examinations must be held during the official examination period following the term in which the course is given, and shall be worth at least 25% of the overall mark. This holds true for written, oral and practical examinations. For oral examinations, verbal feedback may be given to the students regarding their performance, but no marks will be provided during the examination. Marks for final examinations are presented to the Promotions Committee. Following the Promotions Meeting, marks will be available on Minerva. In some courses there is no final examination; the standing in these courses is determined on the basis of term work and class tests.

#### 4.9.3 Supplemental Examinations

Students who have failed an examination and who have been given permission to write a supplemental examination *must avail themselves of this privilege at the time of the next supplemental period*. The supplemental examinations for Fall Term courses are held at the end of the regular Spring examination period.

**For students in U1**, supplemental exams for failed professional courses in the Fall Term which are prerequisite to Clinical Affiliation 1 (PHTH 220 or OCC1 220) will be given during the first week of the U1 Clinical Block starting in March. Supplemental examinations for other failed U1 Fall and Winter Term professional courses will normally be held during the first two weeks of June following the Integration Block. Supplemental examinations for failed Fall Term campus courses will normally be held during the Spring supplemental period in April. Supplemental examinations for Winter Term campus courses including PHGY 202 and ANAT 316 are written in the official supplemental period in August.

**For students in U2 and U3**, supplemental examinations for failed Fall Term courses will be held at the end of the regular spring examination period. Supplemental examinations for failed Winter Term professional courses are given around the 3rd week in May. Supplemental examinations for Winter Term campus courses are written in the official supplemental period in August.

Written application to write a supplemental examination must be received at the Student Affairs Coordinator's Office at least 30 days before the examination period. The \$35 supplemental exam fee is payable as soon as the application has been approved.

It should be noted that the supplemental result will not erase the D or F mark originally obtained which was used in calculating the GPA. Both the original mark and the supplemental result will be calculated in the GPA and CGPA (i.e., the taking of a supplemental examination has the same effect on a student's GPA as does repeating the course).

#### 4.9.4 Deferred Examinations

A student, who, for reasons such as illness or family affliction, verified and accepted by the Associate Director's Office, has been unable to write one or more examinations, may receive permission to write deferred examinations, which normally will be written in the next supplemental examination period. The Associate Director's Office must be informed within one week of the examination of the

reasons for absences. Student Health Service may be required to verify a medical certificate. A grade of L (deferred) will appear on the Report of Standing in place of a grade in such courses. It will be replaced by the grade obtained in the deferred examination on official transcripts.

#### 4.10 Reassessments and Rereads

Papers are marked and grades calculated and handled with considerable care. However, if students wish the calculation of marks checked (reassessment) or a formal final examination paper reread, they should apply in writing to the Associate Director of Occupational Therapy or Physical Therapy.

Reassessment is done free of charge by the instructor concerned. If there is no change in the grade as a result of a reassessment, and if there was a formal final examination in the course, the student may apply for a formal reread of the final examination paper, for which there is a \$35 fee. Grades may be either raised or lowered as the result of a reread. Computer marked exams can be reassessed but not re-read. The official reread request form is available from the Student Affairs Coordinator in room 20, Davis House. The form must be submitted directly to the Associate Director of the Program.

Application for reassessments must be made by January 31 for Fall courses, by June 30 for Winter courses and courses that span Fall and Winter, and October 15 for Summer courses. Requests for reassessments or rereads in more than one course per term will not be permitted.

Reassessments or rereads in courses not given by the School of Physical and Occupational Therapy are subject to the deadlines, rules and regulations of the particular faculty offering the course.

Any request to have term work re-evaluated must be made directly to the instructor concerned.

#### 4.11 Incomplete Courses

If, in the instructor's opinion, there is sufficient reason to permit a delay in the submission of required term work, an extension of deadline of up to four months after the end of the course may be granted to the student. In this case, the instructor will submit a grade of K (incomplete). If a new grade is submitted within the deadline by the instructor, this will appear on the student's faculty reports and verification forms following the K and will replace the K on the student's official transcript.

If the required work is not completed before the deadline the grade of KF will be recorded in the same way as the grade above. (KF denotes a failed course and has the same effect on the GPA as an F.)

In exceptional circumstances, and with the approval of the Associate Director, the four month deadline may be extended further, in which case the grade of KE or K\* will appear.

Students who have not, without an accepted excuse, participated or written the final examination in a course for which they have registered may be given a grade of J (absent).

#### 4.12 Plagiarism and Cheating

In submitting work in their courses, students should remember that plagiarism and cheating are considered to be extremely serious offences. If students have any doubt as to what might be considered "plagiarism" in preparing an essay or term paper, they should consult the guidelines on plagiarism as set out in the course guides.

The Code of Student Conduct and Disciplinary Procedures includes sections on plagiarism and cheating. The Code may be accessed on the Web at <http://www.mcgill.ca/secretariat/statutes> or obtained from the Office of the Dean of Students.

## 5 Occupational Therapy and Physical Therapy Programs

These programs are made up of 105 credits to be completed in three years over seven semesters including a clinical affiliation of 1,000 hours. A clinical semester will be completed during the summer preceding Year 3. The curriculum incorporates the use of academic and clinical teaching blocks throughout the programs:

Year 1 starts in September and finishes on May 31.

Year 2 will be composed of three full-time semesters:  
Fall, Winter and Summer.

Year 3 will be made up of Fall and Winter semester blocks.

The course credit weight appears in parentheses after the number.

### 5.1 Occupational Therapy Program

#### U1 Required Courses (32 credits)

##### Fall Term

ANAT 315	(4)	Regional Anatomy of the Limbs and Back
PHGY 201	(3)	Human Physiology: Control Systems
OCC1 235	(3)	Occupation as Therapy
POTH 239	(2)	Assessment in Rehabilitation 1
POTH 248	(2)	Communication and Professionalism
POTH 260	(2)	Life Span

##### Winter Term

ANAT 316	(2)	Human Visceral Anatomy
PHGY 202	(3)	Human Physiology: Body Functions
OCC1 236	(4)	OT Practice 1: Musculoskeletal
OCC1 240	(2)	Assessment of Performance 1
POTH 222	(3)	Kinesiology
POTH 250	(2)	Health Care and Professionalism
OCC1 220	(0)	Clinical Affiliation 1

#### U2 Required Courses (37 credits)

##### Fall Term

ANAT 321	(3)	Circuitry of the Human Brain
POTH 455	(3)	Neurophysiology
OCC1 335	(2)	OT Practice 2 (Part 1)
OCC1 337	(3)	OT Practice 3
OCC1 340	(2)	Assessment of Performance 2

##### Winter Term

OCC1 336	(4)	OT Practice 2: Neurological Conditions
OCC1 338	(3)	OT Practice 4: Mental Health
OCC1 339	(2)	Strategies for Independent Living
OCC1 341	(3)	Assessment of Performance 3

##### Summer Term

OCC1 320	(6)	Clinical Affiliation 2
OCC1 321	(6)	Clinical Affiliation 3

#### U2 Complementary Courses (6 credits)

Two from courses offered by the Faculties of Arts and Science.

#### U3 Required Courses (28 credits)

##### Fall Term

POTH 401	(3)	Research Methods
OCC1 424	(2)	Splinting and Orthotics
OCC1 436	(3)	OT Practice 5: Medical and Surgical
OCC1 438	(3)	Psychosocial Theories in OT
OCC1 420	(3)	Clinical Affiliation 4
OCC1 437D1	(1.5)	OT & Community Mental Health

##### Winter Term

OCC1 437D2	(1.5)	OT & Community Mental Health
OCC1 440	(2)	Pre & Vocational Rehabilitation
OCC1 441	(2)	Advanced Technology/Ergonomics
POTH 445	(4)	Administration/Management
OCC1 422	(3)	Clinical Affiliation 5

#### U3 Complementary Courses (2 credits)

One from a list of professional specialty courses offered by the School .

## 5.2 Physical Therapy Program

#### U1 Required Courses (32 credits)

##### Fall Term

ANAT 315	(4)	Regional Anatomy of the Limbs and Back
PHGY 201	(3)	Human Physiology: Control Systems
POTH 235	(3)	Movement Science and Practice 1
POTH 239	(2)	Assessment in Rehabilitation
POTH 248	(2)	Communication and Professionalism
POTH 260	(2)	Life Span

##### Winter Term

ANAT 316	(2)	Human Visceral Anatomy
PHGY 202	(3)	Human Physiology: Body Functions
POTH 236	(4)	Movement 1: Musculoskeletal
POTH 241	(2)	Assessment 2: Musculoskeletal
POTH 222	(3)	Kinesiology
POTH 250	(2)	Health Care and Professionalism
POTH 220	(0)	Clinical Affiliation 1

#### U2 Required Courses (33 credits)

##### Fall Term

ANAT 321	(3)	Circuitry of the Human Brain
POTH 455	(3)	Neurophysiology
POTH 337	(3)	Movement 3: Neuromuscular

##### Winter Term

POTH 328	(2)	Biophysical Agents
POTH 336	(3)	Movement 2: Cardiorespiratory
POTH 338	(4)	Movement 4: Neurological
POTH 340	(3)	Exercise Physiology

##### Summer Term

POTH 320	(6)	Clinical Affiliation 2
POTH 321	(6)	Clinical Affiliation 3

#### U2 Complementary Courses (9 credits)

Three from courses offered by the Faculties of Arts and Science.

#### U3 Required Courses (31 credits)

##### Fall Term

POTH 401	(3)	Research Methods
POTH 432	(3)	Pain Management
POTH 433	(3)	Coordinated Rehabilitation 1
POTH 420	(3)	Clinical Affiliation 4
POTH 447	(2)	Specialized Areas of Practice

##### Winter Term

POTH 421	(3)	Clinical Affiliation 5
POTH 434	(3)	Biomechanics
POTH 435	(3)	Coordinated Rehabilitation 2
POTH 438	(2)	Fitness/Injury Management
POTH 445	(4)	Administration/Management
POTH 446	(2)	Current Topics in Rehabilitation

## 6 Course Descriptions

For the Term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/students/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003 will be available on the website in January.

The course credit weight is given in parentheses after the title.



## 6.1 Description of Year 1 Courses for Occupational Therapy and Physical Therapy

### 6.1.1 Faculty of Science Courses

**Note:** All Faculty of Science courses have limited enrolment.

**ANAT 315 REGIONAL ANATOMY/LIMBS AND BACK WITH DISSECTION.** (4) (Fall) (2 hours lectures, 4 hours laboratory) (Open to students in Physical and Occupational Therapy; and to Honours students in Anatomy and Cell Biology, with permission of instructor.) A dissection course in regional human gross anatomy of the skeleton, joints, muscles and neurovascular structures of the limbs and back.

**ANAT 316 HUMAN VISCERAL ANATOMY.** (2) (Winter) (2 hour lecture, 2 hours laboratory) (Prerequisite: ANAT 315) (Open to students in Physical and Occupational Therapy, and to others by special permission) 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.

**PHGY 201 HUMAN PHYSIOLOGY: CONTROL SYSTEMS.** (3) (Fall) (3 hours lecture weekly) (Prerequisites: collegial courses in biology or anatomy, and in chemistry and physics; with MATH 212 or equivalent, as a pre-/co-requisite) (For students in Physical and Occupational Therapy, Nursing, and others with permission of the course coordinator) (Not open to students who have taken PHGY 209) Physiology of body fluids, blood, nerve and muscle, peripheral nerves, central nervous system, special senses, autonomic nervous system, defense mechanisms.

**PHGY 202 HUMAN PHYSIOLOGY: BODY FUNCTIONS.** (3) (Winter) (3 hours lecture weekly) (Prerequisites: collegial courses in biology or anatomy and in chemistry and physics; with CHEM 212 or equivalent, as a pre-/co-requisite) (For students in Physical and Occupational Therapy, Nursing, Education, and others with permission of the course coordinator) (Not open to students who took 552-201 in 1976-77 or earlier, or PHGY 210) Physiology of the cardiovascular, respiratory, excretory, endocrine, and digestive systems; organic and energy metabolism; nutrition; exercise and environmental stress.

### 6.1.2 Joint Courses in Occupational Therapy and Physical Therapy Programs

**POTH 222 KINESIOLOGY.** (3) (15 hours/week lecture/seminar/ laboratory for 3 weeks.) Introduction to the analysis of normal and pathological human movement including anthropometrics, kinematics, muscle mechanics, instrumentation and computers.

**POTH 239 ASSESSMENT IN REHABILITATION 1.** (2) (4 hours lecture/ laboratory for 13 weeks.) A theoretical and practical course which includes principles of measurement, history taking and physical assessment of the patient.

**POTH 248 COMMUNICATION / PROFESSIONALISM.** (2) (2 hours/ week for 13 weeks.) This course will focus on communication and psychosocial issues in health, impairment, disability and handicap. Information systems and the concepts of evidence based-practice, self-directed and life long learning will be included.

**POTH 250 HEALTH CARE AND PROFESSIONALISM.** (2) (2 hours/ week for 9 weeks.) This course will describe the basic issues of professionalism, the world health environment and the Canadian and Quebec health care systems.

**POTH 260 LIFESPAN.** (2) (2 hours) The course will describe the sequence and unique changes associated with physical, cognitive, language and psychosocial development occurring from conception to death.

### 6.1.3 Occupational Therapy Courses

**OCC1 220 CLINICAL AFFILIATION 1.** (0) (6 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres.

The focus will be on the assessment and treatment of patients with musculoskeletal conditions.

**OCC1 235 OCCUPATION AS THERAPY.** (3) (8 hours lecture/ laboratory) A course covering the conceptual framework of occupational performance with practical applications to musculoskeletal conditions across the life span. The second part of the course will orient the student to assessments used by other team members.

**OCC1 236 OT PRACTICE 1: MUSCULOSKELETAL.** (4) (10 hours/ week for 13 weeks - split into 10 weeks and 3 weeks.) A lecture/ seminar/laboratory case-based course covering the planning and implementation of OT interventions for individuals of all ages with musculoskeletal conditions. The second part will focus on multidisciplinary client-centred rehabilitation.

**OCC1 240 ASSESSMENT OF PERFORMANCE 1.** (2) (1.5 hours lecture/ 2 hours lab for 10 weeks.) A lecture/seminar/laboratory course covering the conceptual framework of occupational performance with practical applications to musculoskeletal conditions across the life span. The second part of the course will orient the student to assessments used by other team members.

### 6.1.4 Physical Therapy Courses

**PHTH 220 CLINICAL AFFILIATION 1.** (0) (6 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of patients with musculoskeletal conditions.

**PHTH 235 MOVEMENT SCIENCE AND PRACTICE 1.** (3) (8 hours lecture/laboratory.) Theory and practice of exercise as a therapeutic agent, including how to move effectively and to teach an exercise will be explored across the lifespan. These skills will be integrated with basic concepts of the physiological effects of other physical agents used to enhance movement.

**PHTH 236 MOVEMENT 1: MUSCULOSKELETAL.** (4) (10 hours/week for 13 weeks - split into 10 weeks and 3 weeks) A case-based course covering the planning and implementation of physical therapy interventions for individuals of all ages with musculoskeletal conditions. Appropriate electrotherapeutic modalities will be covered. The second part will focus on multidisciplinary client-centred rehabilitation.

**PHTH 241 ASSESSMENT 2: MUSCULOSKELETAL.** (2) (2 hours/week for 10 weeks) A lecture and practical course which focuses on the soft tissue diagnoses of musculoskeletal disorders.

## 6.2 Description of Year 2 Courses for Occupational Therapy and Physical Therapy Programs

### 6.2.1 Faculty of Science Course

**Note:** All Faculty of Science courses have limited enrolment.

**ANAT 321 CIRCUITRY OF THE HUMAN BRAIN.** (3) (Fall) (2 hour lectures, 2 hours laboratory/tutorial) (Prerequisite: at least one 3-credit university level course in biology or psychology) This course explores the functional organization of the human brain and spinal cord. The course focuses on how neuronal systems are designed to subserve specific motor, sensory, and cognitive operations.

### 6.2.2 Joint Courses in Occupational Therapy and Physical Therapy Programs

**POTH 455 NEUROPHYSIOLOGY.** (3) (3 hours/week) A study of the neurophysiological principles of sensori-motor interaction as they relate to posture, motor control and cognition.

### 6.2.3 Occupational Therapy Courses

**OCC1 320 CLINICAL AFFILIATION 2.** (6) (6 weeks, full-time)

**OCC1 321 CLINICAL AFFILIATION 3.** (6) (6 weeks, full-time)

Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of patients with neurological or psychological dysfunctions.

**OCC1 335 OT PRACTICE 2 (PART 1).** (2) (6 hours/week for 13 weeks.) A lecture, practical and case-based course covering neurological conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities for individuals with neurological dysfunctions will be included.

**OCC1 336 OT PRACTICE 2: NEUROLOGICAL CONDITIONS.** (4) (7 hours/week for 13 weeks.) A lecture, practical and case based course covering neurological conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities for individuals with neurological dysfunctions will be included.

**OCC1 337 OT PRACTICE 3.** (3) (4 hours lecture/ week for 13 weeks.) A lecture, practical and case-based course covering psychiatric conditions across the lifespan. OT theory, principles of treatment and therapeutic use of self and activities will be applied for individuals or groups.

**OCC1 338 OT PRACTICE 4: MENTAL HEALTH.** (3) (6 hours/week for 13 weeks) A lecture and small group course to include the theories of group dynamics and practical applications in the practice of occupational therapy as well as the theory projection and the therapeutic use of projective media for treating individuals or groups across the life span.

**OCC1 339 STRATEGIES FOR INDEPENDENT LIVING.** (2) (3 hours/ week lecture/laboratory for 13 weeks.) This course will focus on interventions including adaptive technology and environmental adjustments to maximize independent living in the home and community.

**OCC1 340 ASSESSMENT OF PERFORMANCE 2.** (2) (4 hours/week for 13 weeks) A theoretical and practical course to cover assessment and informed decision making in OT practice, as well as the assessment of psychosocial, neuromotor and perceptual/cognitive performance across the lifespan.

**OCC1 341 ASSESSMENT OF PERFORMANCE 3.** (3) (4 hours/week for 13 weeks) A theoretical and practical course to cover specialized assessment of psychological performance, social interactions, activities of daily living and the environment. Computerized assessment will be utilized.

#### 6.2.4 Physical Therapy Courses

**PHTH 320 CLINICAL AFFILIATION 2.** (6) (6 weeks, full-time)

**PHTH 321 CLINICAL AFFILIATION 3.** (6) (6 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of individuals with neurological and cardio-respiratory conditions.

**PHTH 328 BIOPHYSICAL AGENTS.** (2) (2 hours lecture/2 hours laboratory/tutorial) A lecture, practical and case-based course covering the biophysical principles and the neurophysiological bases for the use of thermal agents and therapeutic electricity in the management of and the clinical decision-making in musculoskeletal and neurological conditions. The use of electrotherapeutic interventions in physical therapy will be explored on a case-by-case basis.

**PHTH 336 MOVEMENT 2: CARDIORESPIRATORY.** (6) (6 hours/week) A lecture, practical and case-based course consisting of pathology, clinical assessments and methods of physical treatment and rehabilitation of patients with cardio-respiratory dysfunction.

**PHTH 337 MOVEMENT 3: NEUROMUSCULAR.** (3) (9 hours/week) A theoretical and practical course which covers clinical assessments and applications of neurological principles to the management of clients with neurological dysfunction across the life span. The emphasis will be on motor control. Electrotherapeutic modalities will be incorporated.

**PHTH 338 MOVEMENT 4: NEUROLOGICAL.** (4) (9 hours/week) A theoretical and practical course which covers clinical assessments and applications of neurological principles to the management of clients with neurological dysfunction across the life span. The emphasis will be on motor control. Electrotherapeutic modalities will be incorporated.

**PHTH 340 EXERCISE PHYSIOLOGY.** (3) (3 hours/week) A lecture course to include the effects of exercise and training of neuromuscular, cardiovascular and respiratory systems in health and disease.

### 6.3 Description of Year 3 Courses for Occupational Therapy and Physical Therapy Programs

#### 6.3.1 Joint Courses in Occupational Therapy and Physical Therapy Programs

**POTH 401 RESEARCH METHODS.** (3) (4.5 hours/week for 9 weeks) A lecture and seminar course on the principles of and methods used in clinical and rehabilitation science research.

**POTH 445 ADMINISTRATION/MANAGEMENT.** (4) (7 hours/week for 8 weeks) A lecture and seminar course to include Health Care administration, marketing and the development of leadership and entrepreneurial skills.

#### 6.3.2 Occupational Therapy Courses

**OCC1 420 CLINICAL AFFILIATION 4.** (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

**OCC1 422 CLINICAL AFFILIATION 5.** (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

**OCC1 424 SPLINTING AND ORTHOTICS.** (2) (4.5 hours/week for 9 weeks) A course covering knowledge of therapeutic techniques and biomechanical principles involved in the application and fabrication of static and dynamic splints.

**OCC1 436 OT PRACTICE 5: MEDICAL AND SURGICAL.** (3) (4.5 hours/ week for 9 weeks) A lecture, practical and case-based course covering medical and surgical conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities in the OT treatment of these conditions will be discussed.

**OCC1 437D1 OT AND COMMUNITY MENTAL HEALTH.** (1.5) (2.5 hours/week for 9 weeks) (Students must also register for OCC1 437D2) (No credit will be given for this course unless both OCC1 437D1 and OCC1 437D2 are successfully completed in consecutive terms) A lecture, case-based and seminar course which examines the preventive and educational role of the OT in mental health as applied to sociocultural issues and their relationship to violence and despair within the community.

**OCC1 437D2 OT AND COMMUNITY MENTAL HEALTH.** (1.5) (2.5 hours/week for 8 weeks) (Prerequisite: OCC1 437D1) (No credit will be given for this course unless both OCC1 437D1 and OCC1 437D2 are successfully completed in consecutive terms) See OCC1 437D1 for course description.

**OCC1 438 PSYCHOSOCIAL THEORIES IN OT.** (3) (4.5 hours/week for 9 weeks) A lecture, case-based course to examine current theoretical frames of reference in OT in the field of psychiatry and their implementation into OT treatment. Particular emphasis will be placed on the long-term client.

**OCC1 440 PRE AND VOCATIONAL REHABILITATION.** (2) (3.5 hours/ week for 8 weeks) An introduction to work theory and its application to prevocational and vocational assessment and training in rehabilitation. The application of ergonomics to rehabilitation will be discussed in a case-based context.

**OCC1 441 ADVANCED TECHNOLOGY/ERGONOMICS.** (2) (3.5 hours/ week for 8 weeks) Approaches to occupational performance enhancement through matching technology to individual human needs and service delivery will be dealt with in a lecture/lab/seminar format.

#### 6.3.3 Physical Therapy Courses

**PHTH 420 CLINICAL AFFILIATION 4.** (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Fac-

ulty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

**PHTH 421 CLINICAL AFFILIATION 5.** (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

**PHTH 432 PAIN MANAGEMENT.** (3) (4.5 hours/week for 9 weeks) A case-based course to include the assessment and management of acute and chronic pain. Appropriate electrotherapeutic modalities will be included.

**PHTH 433 COORDINATED REHABILITATION 1.** (3) (4.5 hours/week for 9 weeks) A theme-based study of the interdisciplinary approach to rehabilitation. Themes will include health care issues across the lifespan, special problems of adolescents and the aged as well as maternal and child health. The focus is on long-term management.

**PHTH 434 BIOMECHANICS.** (3) (4.5 hours/week for 9 weeks) 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.

**PHTH 435 COORDINATED REHABILITATION.** (3) (5 hours/week for 8 weeks) A theme-based study of selected topics and current and developing issues in rehabilitation such as AIDS, necrotizing myofasciitis, oncology, burn management and industrial health. The focus is on long-term management.

**PHTH 438 FITNESS/INJURY MANAGEMENT.** (2) (4 hours/week for 8 weeks) The focus of this lecture, seminar and practical course is on fitness and injury prevention as a means of promoting an active lifestyle across the lifespan.

## 6.4 Professional Specialty Courses – Descriptions

The following courses are open to senior students in the School of Physical and Occupational Therapy by permission of the Associate Directors of the undergraduate programs and may be subject to limited enrolment. These courses may be taken as part of the undergraduate program in Occupational Therapy or Physical Therapy.

□ Denotes limited enrolment

□ **OCC1 442 ENVIRONMENTS FOR THE DISABLED.** (2) (3.5 hours per week for 8 weeks) (Open to students in OT and Architecture. Prerequisite: ARCH 303 for Architecture students; OCC1 339 for Occupational Therapy students) Students work in multidisciplinary teams under the supervision of faculty and visitors on selected problems encountered in the design and construction of environments for the physically disabled.

□ **POTH 402 ADVANCED RHEUMATOLOGY.** (2) (3.5 hours per week for 8 weeks) (Prerequisite: Basic knowledge of the rheumatic diseases and clinical experience in the treatment of physical disabilities.) A seminar course emphasizing a multidisciplinary approach to the evaluation and total care of patients with rheumatic diseases. This course may be offered in the Fall or Winter term.

□ **POTH 403 PAEDIATRICS.** (2) (3.5 hours/week) A lecture and seminar course examining the development, assessment and management of children within a variety of handicapping conditions. This course may be offered in the Fall or Winter term.

□ **POTH 410 CHILD AND ADOLESCENT PSYCHIATRY.** (2) (3.5 hours/week) A specialized course in psychiatric occupational therapy to include an orientation to children and adolescents with psychiatric disorders as well as the evaluation and remediation techniques used in the occupational therapy treatment of these children.

□ **POTH 441 RESEARCH ELECTIVE.** (2) The students are introduced to the methods and procedures of the specific area of

research of the faculty supervisor. The student and faculty supervisor determine the objectives, requirements, time span (usually one term), scheduling, deadlines and mode of evaluation of the project.

**POTH 446 CURRENT TOPICS: REHABILITATION.** (2) (3 hours/week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized rehabilitation topic. The student selects one theme from a list of current topic themes to be offered in that semester. The topic themes may change from year to year based on current and developing issues in rehabilitation.

**POTH 447 SPECIALIZED AREA OF PRACTICE.** (2) (3 hours/week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized area of practice. The student selects one specialized area of practice from a list of areas of practice specializations that are being offered in that semester. The specialities may change from year to year based on current and developing issues in rehabilitation.

## 7 Graduate Programs

### 7.1 Programs Offered

#### Master of Science (Applied) in Rehabilitation Science

A two-year program in Rehabilitation Science (Applied) is available to graduates who hold a B.Sc. or equivalent in Physical or Occupational Therapy or related health professions. Two years of clinical experience is recommended when applying for the M.Sc. (Applied). The program consists of required and elective course work and a research project.

#### Master of Science in Rehabilitation Science

The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. degree in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective course work and a research thesis.

#### Doctorate in Rehabilitation Science

The Ph.D. program curriculum consists of three to four years of study, on average, for graduates with Master's level training in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective course work, a comprehensive written examination, a research proposal and a doctoral thesis.

### 7.2 Admission Requirements

#### Master of Science in Rehabilitation Science

1. A B.Sc. degree or equivalent in physical or occupational therapy or related fields from a university of recognized reputation.
2. Evidence of a high academic achievement equivalent to a B standing, or a McGill CGPA of 3.0 (70-74%).
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology or other areas, depending on the student's anticipated specialization.
4. Non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree using the English language are required to submit documented proof of competency in oral and written English, by appropriate exams, e.g. TOEFL. (Test of English as a Foreign Language) with a minimum score of 250 on the computer-based test (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
5. The GRE Test is mandatory for the following applicants: those who do not have a B.Sc. or equivalent from a Canadian university; those who have been out of university for 5 years or more. Only the General Test is mandatory. For consideration, students must obtain a minimum score of 550 in each category. For enquiries about Graduate Records Examination, please



contact GRE - Educational Testing Service, Princeton, NJ 08540, (609) 683-2002, <http://www.gre.org/>. Applicants are responsible for ensuring that their scores are sent to the School of Physical and Occupational Therapy.

### Master of Science, Applied in Rehabilitation Science

1. to 5. as above, plus
6. Two years of clinical experience is recommended.

### Doctorate in Rehabilitation Science

1. An M.Sc. degree in a rehabilitation-related discipline from a university of recognized reputation.
2. Evidence of a high academic achievement equivalent to a B<sup>+</sup> standing, or a McGill CGPA of 3.3 (75-79%) is required.
3. Proof of proficiency in English.
4. GRE Test with a minimum score of 600 in each category. The test is mandatory for the following applicants: those who do not have a B.Sc., M.Sc. or equivalent from a Canadian university; those who have been out of university for 5 years or more.

If a graduate student accepted into the M.Sc. program demonstrates superior performance in the first year, the Graduate Committee, in consultation with the thesis supervisor, may recommend waiving the M.Sc. thesis requirement, and allow the student to proceed directly to the Ph.D. program.

## 7.3 Application Procedures

Application forms for admission to graduate studies for the degree of M.Sc., M.Sc.A., or Ph.D. in Rehabilitation Science may be requested directly from the School, or downloaded from <http://www.medicine.mcgill.ca/spot/>. An on-line application is available at <http://www.mcgill.ca/applying/graduate>.

Applications will be considered upon receipt of:

1. the completed application form (on-line or paper),
2. \$60 application fee,
3. a complete curriculum vitae,
4. a statement of purpose,
5. two copies of official transcripts,
6. two letters of reference,
6. test results (GRE, TOEFL), if required.

Deadline: March 1.

Documents are to be mailed directly to the Associate Director, Graduate Program, School of Physical and Occupational Therapy

## 7.4 Program Requirements

### Elective Courses (for all programs)

In addition to courses offered by the School of Physical and Occupational Therapy, students may choose courses given in other units. A complete list of suitable electives can be obtained from the Graduate Program Coordinator.

### MASTER OF SCIENCE IN REHABILITATION SCIENCE (45 credits)

The program requires a minimum of three terms of full-time residence study. It is not uncommon for a student to take two or more years to complete the degree.

#### Required Courses (10 credits)

POTH 610	(3)	Research Methodology
POTH 614	(3)	Selected Topics in Rehabilitation Science
POTH 616D1	(.5)	Seminars in Rehabilitation Science
POTH 616D2	(.5)	Seminars in Rehabilitation Science
POTH 631	(3)	Research Proposal

A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed by the beginning of the second full-time year.

#### Complementary Course (3 credits)

One 3-credit graduate level course in statistics may be required if not already completed in a prior degree.

### Elective Courses (3 - 6 credits)

Courses which pertain to the student's area of specialization.

### Thesis Component – Required (29 credits)

POTH 696	(2)	Thesis Research
POTH 697	(6)	Thesis Research
POTH 698	(9)	Thesis Research
POTH 699	(12)	Thesis Research

The student carries out a research study in an approved subject area under the guidance of an internal supervisor (from within the School) or an external supervisor (from outside the School). In the case of an external supervisor, an internal co-supervisor must be appointed.

All four of these courses must be registered for within the first three terms of full-time study. The course POTH 699 is carried as IP "in progress" until completion of thesis.

### MASTER OF SCIENCE, APPLIED IN REHABILITATION SCIENCE (45 credits)

This program combines course work with a small research project. The residency requirement is fulfilled when all course requirements are completed. The program normally takes 3 to 4 terms when done on a full -time basis.

#### Required Courses (10 credits)

POTH 603	(3)	Directed Practicum
POTH 610	(3)	Research Methodology
POTH 614	(3)	Selected Topics in Rehabilitation Science
POTH 616D1	(.5)	Seminars in Rehabilitation Science
POTH 616D2	(.5)	Seminars in Rehabilitation Science

#### Complementary Course (6 credits)

one of:

POTH 602	(3)	Educational Methodology
EDPH 689	(3)	Teaching & Learning in Higher Education

One 3-credit graduate-level course in statistics may be required if not already completed in a prior degree.

#### Elective Courses (15 -18 credits)

Courses at the 500 and 600 level, related to the student's area of specialization; one or two 300 and 400-level courses may also be included upon approval of the Associate Director.

#### Project Component – Required (14 credits)

POTH 661	(6)	Research Project 1
POTH 662	(8)	Research Project 2

### DOCTORATE IN REHABILITATION SCIENCE

Doctoral students are required to pursue at least three years of full-time residence study.

The curriculum is divided as follows:

#### Required Courses (12 credits)

POTH 610*	(3)	Research Methodology
POTH 614*	(3)	Selected Topics in Rehabilitation Science
POTH 620	(3)	Measurement in Rehabilitation 1
POTH 630	(3)	Measurement in Rehabilitation 2

Of the four required courses, at least two\* will already have been completed by students with an M.Sc. in Rehabilitation Science from McGill.

#### Complementary Course (6 credits)

one of:

POTH 602	(3)	Educational Methodology
EDPH 689	(3)	Teaching & Learning in Higher Education

One 3-credit graduate-level course in statistics may be required if not already completed in a prior degree.

#### Elective Courses (3-6 credits)

Courses which pertain to the student's area of specialization; chosen by the student in consultation with his/her supervisor and upon approval of the Associate Director of the Graduate Program.

#### Comprehensive Examination

POTH 701	Ph.D. Comprehensive Examination
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The student must successfully pass a written comprehensive examination by the end of the first academic year. The format is three questions to be answered in essay style over a five-day period. An additional requirement may include an oral component.

#### Research Proposal

A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed during the second full-time year, following the comprehensive examination.

#### Thesis Component - Required

The student carries out a research study in an approved subject area under the guidance of an internal supervisor (from within the School) or an external supervisor (from outside the School). In the case of an external supervisor, an internal co-supervisor must be appointed.

### 7.5 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

POTH has replaced the course prefix 582.

The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

- **POTH 505 DESIGNING CLINICAL INSTRUCTION.** (3)

**POTH 508 PLASTICITY IN REHABILITATION.** (3) (Prerequisite: POTH 455 or equivalent.) A seminar course designed to provide students with a review of current research on plasticity in the central and peripheral nervous systems. Particular emphasis is placed on the mechanisms involved in the recovery of function after injury.

- **POTH 602 EDUCATIONAL METHODOLOGY.** (3) (Course equivalent: EDPH 689.)

**POTH 603 DIRECTED PRACTICUM.** (3) A tutorial with directed practical experience in a clinical setting related to the student's clinical specialization, including curriculum development, and emphasizing current thought in rehabilitation.

**POTH 604 CURRENT TOPICS IN PEDIATRICS.** (3) (Prerequisite: POTH 260, or permission of instructors.) This course will provide an overview of current research in pediatrics.

**POTH 610 RESEARCH METHODOLOGY.** (3) (Prerequisite: PSYC 305 or EPIB 607, or EDPE 675 and EDPE 676, or equivalent) An advanced lecture and seminar course. The philosophy of scientific inquiry, principles of research design, and application of statistical techniques are discussed with special consideration given to research studies in health care and rehabilitation.

**POTH 614 SELECTED TOPICS IN REHABILITATION SCIENCE.** (3) A weekly lecture and seminar course taught by staff, designed to provide an overview of current research issues in rehabilitation.

**POTH 616D1 SEMINARS IN REHABILITATION SCIENCE.** (0.5) (Students must also register for POTH 616D2) (No credit will be given for this course unless both POTH 616D1 and POTH 616D2 are successfully completed in consecutive terms) A weekly seminar course given by staff and invited speakers in different areas of research related to rehabilitation science. Students are expected to participate by reading pertinent literature prior to seminars and asking questions at each seminar. Attendance is compulsory, and the course is graded pass/fail based on participation.

**POTH 616D2 SEMINARS IN REHABILITATION SCIENCE.** (0.5) (Prerequisite: POTH 616D1) (No credit will be given for this course unless both POTH 616D1 and POTH 616D2 are successfully com-

pleted in consecutive terms) See POTH 616D1 for course description.

**POTH 618 TOPICS IN REHABILITATION.** (3) This is a directed reading course on a topic in rehabilitation science. The student will acquire extensive knowledge in the topic of interest and understand the strengths and limitations of the current body of work in the area.

**POTH 620 MEASUREMENT: REHABILITATION 1.** (3) (Prerequisite: POTH 222 and permission of instructor.) Theoretical and practical basis for utilization of electronic equipment for quantitative measurement in rehabilitation research. Ambulatory assistive devices, electronic plates and instrumentation to assess normal and pathological human movement will be used to demonstrate the application of theory and techniques for quantitative analysis of human performance. Recording, reduction and analysis of electromyographic, kinetic and kinematic data included.

- **POTH 622 PATHOKINESIOLOGY.** (3) (Prerequisite: POTH 620)

**POTH 630 MEASUREMENT: REHABILITATION 2.** (3) (Prerequisite: EPIB 607 or PSYC 305 or equivalent.) Theoretical and practical basis for measurement in rehabilitation research. Introduction to measurement theory, scale development and related statistics, approaches and instruments used to assess outcomes in patients with musculoskeletal, neurological, cardiovascular, respiratory, psychiatric or psychologic conditions.

**POTH 631 RESEARCH PROPOSAL.** (3) The course covers issues involved in the development of a research protocol. The presentation of a written thesis proposal is required by the end of the course. This document will serve as the basis for an oral presentation to the student's Supervisory Committee which will also review the written proposal.

- **POTH 661 RESEARCH PROJECT 1.** (6)

- **POTH 662 RESEARCH PROJECT 2.** (8)

- **POTH 696 THESIS RESEARCH.** (2)

- **POTH 697 THESIS RESEARCH 1.** (6)

- **POTH 698 THESIS RESEARCH 2.** (9)

- **POTH 699 THESIS RESEARCH 3.** (12)

- **POTH 701 PH.D. COMPREHENSIVE.** (0)