

# SCHOOL OF PHYSICAL THERAPY

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## FACULTY AND ACADEMIC STAFF

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A. J. Whitworth, Vice-President (Finance and Resources)  
M. E. Corcoran, Vice-President (Research)  
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E. L. Harrison, Assistant Dean of Medicine and Director of the School of Physical Therapy  
R. G. Kachanoski, Dean of Graduate Studies and Research  
F. Winter, Director of Libraries  
University Secretary, T.B.A.  
K. M. Smith, Registrar

### Professor

E. L. Harrison

### Associate Professor

L. C. Kelm, C. L. Schachter

### Assistant Professors

C. M. Arnold, A. J. Busch, L. E. Klassen

### Associate Members

N. Ashworth, R. T. Card, K. Chad, R. Doucette, M. D. Evered, L. M. Ferguson, B. D. McLennan, B. W. C. Rosser

### Clinical Associate Professors\*

A. M. McQuarrie, M. S. Sheppard

### Clinical Assistant Professors\*

K. Barber, R. J. Bourassa, B. Craven, P. Kimber, J. Marshall, M. D. McPherson, B. D. Schultz-Hurlburt

### Clinical Lecturers\*

C. Beck, L. J. Clarke, B. Dean, M. Deighton, S. Dubois, A. Graham, J. R. Haffner, D. Miller, C. Pederson, L. Stamatinos, E. Tyerman, F. Wagner

### Clinical Instructors\*

K. Dornstauder, P. Leech

\*Denotes non-members of faculty.

## GENERAL INFORMATION

Physical Therapy has an important role to play in the health care delivery system. The primary goal of the physical therapist is to

prevent or alleviate movement dysfunction. Individually, or as a member of the health care team, the physical therapist is responsible for evaluating the patient's condition, and planning and providing treatment. Treatment has a large educational component, and is directed to promote independence and maximal functional potential.

Physical therapists work in a variety of settings including hospitals, clinics, rehabilitation centres, chronic care hospitals, special care homes, schools, home care, community programs and private practice. There are avenues for post-graduate study which can lead to clinical specialization, administration, teaching and research.

A Physical Therapy Diploma program was first offered at the University of Saskatchewan in 1965 by the Department of Rehabilitation Medicine, within the College of Medicine. In 1976, a separate School of Physical Therapy was established within the College of Medicine, and is responsible for the administration of the physical therapy program. Departments in the College of Medicine, and other colleges contribute to the teaching programs. Clinical education and experience in the treatment of patients is obtained in a variety of settings throughout Saskatchewan, and in other provinces.

Students now complete five years for the degree of Bachelor of Science in Physical Therapy - B.Sc. (P.T.) - two pre-physical therapy years in the College of Arts and Science followed by three years in the School of Physical Therapy.

## ADMISSION

Application for admission should be made on the form which is obtainable from: The Admissions Secretary, School of Physical Therapy, University of Saskatchewan, 1121 College Drive, Saskatoon SK S7N 0W3. The application must be completed and returned, together with the additional required documents described on the application form, to the above address by January 15 of the year in which admission is desired.

Applicants wishing to enter the three-year physical therapy program require two years of pre-physical therapy studies (60 credit units).

Applicants to the School of Physical Therapy must satisfy the following residency qualifications:

(1) An applicant must be a Canadian citizen or a landed immigrant and a resident of the Province of Saskatchewan, the North West, Nunavut or Yukon Territories.

(2) For the purpose of determining qualifications for admission to the School of Physical Therapy, an applicant normally is considered to be a "resident" under paragraph 1 above if one of the following conditions applies:

a) The applicant has established a place of residence in Saskatchewan or the North West, Nunavut or Yukon Territories, at least one calendar year immediately prior to

September 1 in the year of proposed admission.

b) Irrespective of the current place of residence of the applicant, the applicant's family home, (i.e. the home of parents, guardians, foster parents or spouse), is in Saskatchewan or the North West, Nunavut or Yukon Territories.

c) The applicant, or parent of the applicant, is a graduate of the University of Saskatchewan.

d) The applicant is currently serving, or is a member of a family unit in which the parents, guardians or spouse are serving in the Armed Forces or R.C.M.P., and where the family unit has been transferred to Saskatchewan or the North West, Nunavut or Yukon Territories.

Applicants admitted to the program must be prepared to participate in physical/body examinations as part of their course of studies and must be prepared to undergo sufficiently to allow examination. There are considerable physical demands placed on students in the laboratories and clinical practice as part of their required course of studies, and therefore a certain level of physical ability is expected. Any applicant with a physical disability should consult with the Director to discuss the physical demands required to successfully complete the program.

Admission to the School of Physical Therapy requires the completion of the following courses or their equivalents (to determine equivalency, transcripts should be sent to the School for evaluation):

• BIOL 110.6; • CHEM 111.3; • CHEM 251.3; • ENG 110.6 or any two of ENG 111.3, 112.3, 113.3, 114.3; • PHYS 111.6; • PHSIO 212.6; • PSY 110.6; ▲ 9 credit units in humanities or social sciences; • 3 credit units in statistics\*; ▲ 12 credit units of academic electives.

• Designated pre-physical therapy courses  
▲ Elective courses

\* PL SC 314.3, STATS 245.3 or an approved course in statistics.

Refer to the General Information and the College of Arts and Science sections of the *Calendar* for details on the above requirements, including the courses acceptable towards elective requirements, and the Grade 12 standing required for admission to the pre-physical therapy program.

An outline of an equivalent program offered at The University of Regina is found in the General Information section of the *Calendar*. For further information contact the Registrar's Office, The University of Regina, Regina SK S4S 0A2.

Students may schedule these required courses as they wish but must obtain a minimum of 60% in each course making up the 39 credit units of designated pre-physical therapy courses (see • above). The exception to the minimum 60% grade applies to the 9 credit units in humanities or social science electives (see ▲ above) and 12 credit units of academic electives (see ▲ above), where the normal passing grade of 50% will be accepted.

Students who receive marks below 60% in any of the designated pre-physical therapy courses can improve the grades for those courses by repeating them or by taking higher level courses in the same subject areas. If courses are repeated, an average of the two grades will be taken. Students who receive marks above 60% in any course cannot improve the grades for those courses by repeating them. All courses which are to be considered as meeting the requirements for admission must be completed by April of the year of application. To establish an academic average for consideration by the Admissions Committee, students must complete a minimum of 30 credit units in one academic year at the University of Saskatchewan or at The University of Regina, or the equivalent at another university.

There is a quota on admissions to the School of Physical Therapy. Selection is based on the academic performance at university and an interview. The academic average normally used for admission purposes is the most recent year which includes a minimum of 30 credit units at the University of Saskatchewan, or the equivalent at another university as described previously, given that performance has been reasonably consistent or has improved. Applicants must attain an academic average, determined in this way, of at least 77% in order to be considered for admission. The academic average of applicants from Master's or Ph.D. programs will be based on the total academic record. **Beginning in the academic year 2001-2002, the minimum Grade Point Average for admission will be changed from 77% to 70%. The Grade Point Average will be used to rank applicants. Up to 90 interviews will be offered to individuals who meet admission requirements.** The admission interview, which is semi-structured in nature, will consider personal qualities, motivation towards physical therapy as a career, and knowledge of physical therapy practice. In the selection process, the academic average will be weighted at 60% and the interview will be weighted at 40% of the total score.

Applicants admitted to first year of the Physical Therapy program are required to obtain Level "C" Cardiopulmonary Resuscitation certification during the first six weeks of the first term of the program unless they have obtained such certification within the previous twelve months. This certification must be updated annually.

## ADMISSION OF ABORIGINAL STUDENTS

### (Saskatchewan Residents)

Two positions in year one of the Physical Therapy program are reserved for persons of Aboriginal descent. Applicants of Aboriginal descent will compete within this category, not against the entire applicant pool. Applicants must meet all the academic requirements specified above. Applicants qualifying for this admission category should identify themselves on the application for admission.

**SPECIAL CASES**

The Admissions Committee may consider up to two special case entrants per year for individuals unable to complete 30 credit units in a normal academic year. An example would be a parent whose family responsibilities prevent attendance at university full time. Such applicants must still meet all other academic requirements. Applicants seeking information about this category should contact the Admissions Secretary.

Further information on the admission process and procedures should be obtained from the Admissions Secretary.

**REGISTRATION**

See General Information section of the *Calendar*.

**ATTENDANCE**

Students are required to regularly attend all lectures and laboratory periods. Failure to meet these expectations may result in a student being required to discontinue the program.

**FEES, PAYMENT OF FEES, CANCELLATIONS AND REFUNDS, WITHDRAWAL DATES AND COURSE CHANGES**

See General Information section of the *Calendar*.

**BACHELOR OF SCIENCE IN PHYSICAL THERAPY PROGRAM B.SC.(P.T.)**

**First Year**

ANAT 215.6, 234.3; PATH 205.3; P TH 205.3, 222.3, 223.3, 225.3, 236.3, 240.3, 264.3, 283.3

**Summer following first year**

P TH 276.6 (5 weeks).

**Second Year**

P TH 301.3, 302.3, 303.3, 304.3, 306.3, 308.3, 311.3, 312.3, 337.3, 341.3, 367.3.

**Summer following second year**

P TH 378.12 (10 weeks).

**Third Year**

P TH 403.3, 421.3, 439.3, 440.3, 462.15, 490.3.

The clinical placements for P TH 276 are in Saskatchewan; most are in Saskatoon or Regina. The placements for P TH 378 are in Saskatchewan for the first 5 weeks, with an option to request an out of province placement for the last 5 weeks. For P TH 462, normally 2 placements will be in Saskatchewan and one placement will be out of province. A maximum of 2 placements out of province is allowed. A small stipend for out of province placements is usually provided.

**POST PHYSICAL THERAPY DIPLOMA PROGRAM**

This program may be completed by physical therapists who hold a diploma qualification from a Canadian university. Interested persons should consult with the Director. The following criteria will be applied in the selection of applicants:

(1) Applicants will have to satisfy university entrance requirements.

(2) Applicants will have their physiotherapy qualifications evaluated by the University of Saskatchewan.

(3) Applicants who demonstrate professional suitability evaluated by such means as an interview, references, postgraduate education and experience, and professional activity will receive preference.

**GRADING SYSTEM**

See the General Information section of the *Calendar* for a full explanation of the grading system and the literal descriptors associated with percentage grades.

**STANDARDS OF ACADEMIC PERFORMANCE**

(1) In order to be promoted, a student must have passed all courses included in the curriculum for the year, with an overall average of 60%, and achieve a grade of Satisfactory (60%) or better in all the Physical Therapy courses that are graded on other than a pass/fail basis.

(2) In order to be eligible for the degree of Bachelor of Science in Physical Therapy, a student must have passed all required courses in the program, have achieved a weighted average of at least 60% in each year of the program, and have received a grade of Satisfactory (60%) or better in all the Physical Therapy courses in the program that are graded on other than a pass/fail basis.

(3) The degree will be awarded with Distinction to a student who attains a minimum of 80% Cumulative Grade Point Average and performance designated as superior in at least 3 clinical placements. The degree will be awarded with Great Distinction to a student who attains a minimum of 85% Cumulative Grade Point Average and performance designated as superior in at least 3 clinical placements.

(4) The requirements of the three clinical education courses must be successfully completed in the correct sequence, i.e. P TH 276, 378, 462. Since the program schedule does not allow time for repeating clinical courses or undertaking remedial work, if such actions are required, the time normally allocated for P TH 378 will firstly be used for completing a deficiency in P TH 276. Any remaining placements required for P TH 378 will be completed in the time allocated for P TH 462. Any placements consequently remaining for P TH 462 will be completed in the summer following the completion of the final regular academic year courses.

(5) The grading of the clinical education courses, P TH 276, 378 and 462 will be Pass or Fail.

(6) A student who receives a grade of Fail in P TH 276 will be required to repeat the course.

(7) The major clinical education courses are P TH 378 with two clinical placements, and 462 with 3 clinical placements. The standard of performance in each individual placement will be assessed on a scale from "Consistently Exceeded Expectations" to "Difficulty Meeting Expectations".

(8) In order to receive a grade of Pass in either P TH 378 or 462, a student must achieve a standard of "Consistently Meets Expectations" or better in each of the individual placements in these courses.

(9) A student will be required to complete a minimum of one placement of remedial work if, in either P TH 378 or 462, the standard of performance is "Inconsistent in Meeting Expectations" in one individual placement.

(10) A student will usually be required to repeat P TH 378 or 462 if, in either course, one of the following circumstances applies:

- a - The standard of performance is "Inconsistent in Meeting Expectations" in two or more placements, or
- b - The standard of performance is "Inconsistent in Meeting Expectations" in a placement after a period of remedial work.

(11) Under normal circumstances, a student who receives a grade of Fail after repeating either P TH 378 or 462, or who receives a grade of Fail in P TH 462 after having to repeat P TH 378, will be required to discontinue.

(12) An action appropriate to the degree of failure will be required of a student who, at the end of any year, fails to meet any of the standards of performance (i.e., pass all courses and attain a sessional weighted average of at least 60%). Possible actions include requirements to:

- a) repeat the failed course(s) or, if a supplemental examination privilege is granted, pass that examination, or
- b) repeat the work taken during the year, or
- c) discontinue all studies at the School for one year, and if later readmitted, repeat the work taken in the year when academic studies were discontinued.

(13) Except by special permission of the Faculty, no student will be permitted to register for the full program of studies in any session who has not completed, in full, the requirements of previous sessions.

(14) A student may be required to discontinue the Physical Therapy program for non-academic reasons such as health.

**LICENSE TO PRACTICE**

Students are reminded that a Bachelor of Science degree in Physical Therapy does not in itself confer the right to practice. This is granted by the licensing body of the province in which one intends to practice.

A national licensing examination is available to students graduating from Canadian universities. In some provinces, successful completion of this examination is required to meet licensing requirements.

**SCHOLARSHIPS AND AWARDS**

Scholarships and awards which are open to students in Physical Therapy are listed below. Further details are included in the *Awards Guides*, and in the School of Physical Therapy student handbook.

Arthritis Society, Wallace Graham Memorial Prize for student entering final year of program .....	\$1,425
Arthritis Society Award-for two students progressing to 2nd year of program .....	\$500
Arthritis Society Award-for student progressing to 3rd year of program .....	\$500
University Undergraduate Scholarships .....	\$1,000
Arthritis Society Talmage E. Hunt Award to the top graduating student at Spring convocation .....	\$250
Gold Medal in Physical Therapy awarded to the most distinguished graduating student in the event that he/she graduates at the Fall, rather than at the Spring ceremony.	
Canadian Physiotherapy Association Award-first year membership to a graduating student for academic and clinical proficiency.	
Canadian Physiotherapy Cardio-Respiratory Society Student Excellence Prize to a graduating student for proficiency in Cardio-Respiratory Physical Therapy courses .....	\$100
N. W. Tymchyshyn Memorial Bursary awarded by War Amputations of Canada (Saskatchewan Branch) to a student entering 4th year of program for outstanding clinical proficiency .....	\$1,000
Saskatchewan Physiotherapy Association Prize to a student entering second year of study (\$100) and to a student entering final year of study (\$200) who have demonstrated involvement in the profession.	
Jean Eaton Memorial Award to a graduating student for proficiency in orthopaedic physical therapy courses .....	\$150
J. Manton Award - plaque to a graduating student who has shown the greatest improvement in clinical performance.	
V. J. Cottrell Award - a plaque to a graduating student who has made an outstanding contribution to the School, the student body and the profession.	
Sport Physiotherapy Saskatchewan Award to a student in the final year for academic proficiency throughout the program and activity in Sport Physiotherapy Saskatchewan .....	\$300
Tony Cottrell Memorial Award to a student entering final year for outstanding academic achievement in the neurosciences curriculum of the program .....	\$250
Marjorie Mae Braid Memorial Bursary for two students entering final year based on financial need and outstanding academic achievement in the musculo-skeletal physical therapy curriculum .....	\$1,250

**COURSE DESCRIPTIONS**

See the General Information section of the *Calendar* for an explanation of the format used in course descriptions.

**ANATOMY**

**ANAT 215.6 Basic and Applied Human Anatomy 1&2(3L-3P)**

*Prerequisite(s): BIOL 110.*

Primarily for students of Physical Therapy. Includes basic gross anatomy of the human body supplemented with essential elements of cell biology, histology and organ development. Emphasis is given to the musculo-skeletal system with all aspects of function and application to the need of physical therapists.

**ANAT 234.3 Introductory Neuroanatomy**

For details see the College of Medicine section of the *Calendar*.

**PATHOLOGY**

**PATH 205.3 Elementary Pathology 1/2(3L)**

A course in general and special pathology for pharmacists and physical therapists.

# PHYSICAL THERAPY

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Students who have not been accepted into the School of Physical Therapy require approval from the course instructor to register in any of the following courses.

### P TH 205.3 Cardio-Respiratory System I 2(4L-1.5P)

Study of the etiology, pathophysiology, clinical features, medical, surgical and physical management of conditions affecting the cardiovascular and respiratory systems is commenced in this course. A lecture/laboratory/self-study format is employed.

### P TH 222.3 Therapeutic Movement I 1(3L-2P)

Theory and application of therapeutic positioning and movement; exercise prescription; equipment prescription and use.

### P TH 223.3 Therapeutic Movement II 2(3L-2P)

Theory and application of therapeutic positioning, therapeutic movement, re-education of basic motor skills and neuromuscular facilitation are studied in lectures and laboratories.

### P TH 225.3 Foundations of Exercise and Work Physiology for Physical Therapists 1(2.5L-.5P)

An introduction to exercise/work physiology for physical therapists. The course will examine the physiological foundations from which activity/exercise assessment, and treatment are derived. Labs and tutorials will focus on examination of the physiological responses to physical activity with discussion of altered responses in clinical populations and changes in techniques and approach required for monitoring and evaluating those clinical populations.

### P TH 236.3 Clinical Kinesiology I 2(3L-3P-1T)

A lecture and laboratory course which examines the theory underlying therapeutic and assessment methods by the application of the principles of biomechanics and functional anatomy. Also included is a detailed study of surface anatomy.

### P TH 240.3 Electro-Physical Agents in Physical Therapy I 1/2(2L-1.5P)

The physical principles, physiological effects and therapeutic uses of various heating, cooling and mechanical modalities, are covered in this theoretical and practical course. A mastery learning approach is taken to enable students to develop competence in the use of hot and cold treatments, wax, infrared, diathermy and therapeutic ultrasound.

### P TH 264.3 Introduction to Physical Assessment and Treatment Planning 1(3L-.5C-.5T)

A lecture and case study/laboratory course introducing the basic framework for physical therapy assessment, program planning, and treatment. A general approach to client assessment and determination of treatment plans will consider all body systems, and will integrate subjective and objective evaluation, differential diagnosis, holistic goal setting, discharge planning, and outcome measurement. Documentation formats common to physical therapy settings will be reviewed, and emphasis placed on medico-legal requirements of client record-keeping, use of standardized World Health Organization terminology and measurement issues.

### P TH 276.6 Clinical Applications of Basic Skills 3(37.5C)

Consists of a five week, full-time period of clinical education in the spring following the first year. Placements are in Saskatchewan centres.

### P TH 283.3 Educational Methods in Physical Therapy 1(3L)

A theoretical and practical course in the principles of learning and instruction which can be applied in clinical treatment, the design, implementation and evaluation of patient education programs, instruction of relatives or other health care personnel on patient management and in clinical teaching and supervision of students.

*Note:* Students with credit for P TH 482 may not take this course for credit.

### P TH 301.3 Musculo-Skeletal Assessment and Treatment I 1(2L-4P)

A lecture and laboratory course in the biomechanical assessment and treatment of peripheral joints. Includes subjective assessment, objective assessment scans of upper and lower quadrants, contractile and inert tissue differentiation, capsular and non capsular patterns, principles of manual therapy for treating pain and resistance, indications and contraindications of treatment.

### P TH 302.3 Musculo-Skeletal Assessment and Treatment II 2(2L-4P)

A lecture, laboratory, and seminar course in the biomechanical assessment and treatment of spinal joints. A continuation of P TH 301, and will cover similar assessment procedures, and principles of treatment as appropriate for the spinal joints. Includes traction techniques, with their indications and contraindications, and seminars on aspects of treatment.

### P TH 303.3 Nervous System I 1(5L-1.5P))

Normal motor control, motor learning theory, and abnormalities of movement

resulting from lesions of the nervous system are studied as a basis for developing appropriate physical therapy assessment and treatment methods. Application of these methods to the management of adult hemiplegia completes course content.

### P TH 304.3 Nervous System II 2(4.5L-1.5P)

Continues the study of the physical therapy assessment and treatment methods for neurological conditions including adult hemiplegia, brain injury, spinal cord injury, Parkinson's disease, multiple sclerosis, post-polio syndrome, and amyotrophic lateral sclerosis.

### P TH 306.3 Cardio-Respiratory System II 2(4L-.75T-.75P)

Study of diseases affecting the respiratory and cardiovascular systems is continued in lecture/laboratory/self-study format.

### P TH 308.3 Lifespan, Nutrition and Pharmacology: Considerations in Physical Therapy 1/2(4L)

Covers theory and clinical management related to physical therapy assessment and treatment through the lifespan. Various health professionals will present topics including, growth and development, obstetrics and gynaecology, gerontology, pain, pharmacology and nutrition.

### P TH 311.3 Musculo-Skeletal System I 1/2(4.5L-.5T)

The etiology, special pathology, medical, surgical and physical management of conditions affecting the musculo-skeletal system, including fractures and joint injuries; dislocations; mechanical derangements; peripheral nerve injuries; muscle, tendon and fascial conditions; and deformities are studied in lectures and laboratories.

### P TH 312.3 Musculo-Skeletal System II 1/2(4.5L-.5P)

The epidemiology, etiology, pathology, and clinical features of common rheumatic diseases and amputations are presented. Management of these disorders includes assessment, medication, surgery, and therapeutic intervention.

### P TH 337.3 Clinical Kinesiology II 1(3L-2P-1T)

A continuation of P TH 236. Examines the body regionally with respect to biomechanics, common pathomechanics, and physical therapy methods of measurement. Analysis of movement with special attention to gait. Continues the detailed study of surface anatomy.

### P TH 341.3 Electro-Physical Agents in Physical Therapy II 1/2(2L-3P)

The physical principles, physiological effects and therapeutic uses of diagnostic and therapeutic electrical stimulation and various forms of phototherapy, are covered

in this theoretical and practical course. A mastery learning approach is taken to enable students to develop competence in electro-diagnostic testing, the use of various electrotherapeutic currents, ultraviolet light and laser biomodulation.

### P TH 367.3 Clinical Assessment 2(2L-1C-1T)

Combines lectures, clinical assessment assignments and tutorials, provide opportunity for application of assessment theory and skills in a variety of clinical settings. Tutorials analyze the assessment experience and data. Lectures prepare the student for full-time clinical practicums.

### P TH 378.12 Clinical Practicum I 3(37.5C)

A ten-week, (normally 2 x 5 weeks), full-time period of clinical education following the second term of second year. The last five weeks may be completed in an out-of-province placement, part of the out-of-province experience required from this course or P TH 462.

### P TH 403.3 Research Methodology 1(2L-2T)

Provides an overview of the basic concepts in clinical research as applied to physical therapy. Includes critical appraisal of intervention studies and methodological research reports. Includes lectures and seminar sessions.

### P TH 421.3 Exercise Testing and Prescription for Special Populations 1(4.5L-.5P-.5T)

The pathophysiologic and theoretical basis of exercise testing and prescription for rehabilitation programs for various conditions are studied.

### P TH 439.3 Orthopedic and Sports Physical Therapy: Therapeutic Exercise, Manual Therapy, Integrated Management 1(3L-2P)

Covers the assessment and treatment of common musculoskeletal conditions and sport related injuries, including manual therapy techniques and selected manipulation techniques. Advanced therapeutic exercise prescription, functional capacity evaluation, goal setting and outcome measurement in the musculoskeletal area will also be emphasized. Course content will be covered in lecture and practical sessions.

### P TH 440.3 Advanced Neurological and Cardiorespiratory Systems 1(3L-1.5P)

A final year course including neurological and cardiorespiratory topics for physical therapists. The neurological component includes study of normal sensori-motor development during the first 18 months of life, assessment and treatment of cerebral palsy, as well as comparison of neurofacilitation treatment approaches and systems-based task-oriented approaches to

the management of neurological conditions. The cardiorespiratory component will focus on the assessment and management of cardiorespiratory sequelae of common progressive neuromuscular conditions, high level spinal cord injuries, and selected restrictive lung disorders. Issues, approaches, outcome measures and resources inherent

to ICU, community-based and direct access physical therapy clinic settings will be discussed.

**P TH 462.15  
Clinical Practicum II  
2(37.5C)**

Consists of a 16 week, (normally 2 x 5 weeks, 1 x 6 weeks), full-time period of

clinical education in the second term of the final year. Normally, two rotations are spent in Saskatchewan, and one rotation in out-of-province centres.

**P TH 490.3  
Professional Issues  
1(2L-2S)**

Study of the legal, ethical, social and

economic factors which affect the role of the physical therapist and the principles of departmental organization and management.

For descriptions of courses given by other colleges, see the appropriate section of the *Calendar*.