

**The University of Western Ontario  
Faculty of Health Sciences  
School of Health Studies**

**Rehabilitation Sciences 3060A  
Health Conditions and Disease in Rehabilitation  
Course Outline  
Fall, 2020**

**CONTACT INFORMATION**

**Course Manager/Instructor:** Troy Seely, PT, BScPT, MScPT, DPT, FCAMPT

**Contact information:**

Course e-mail: [tseely2@uwo.ca](mailto:tseely2@uwo.ca) – preferred method of contact  
Office hours: Wednesday Evenings (via online zoom)  
7:30 am – 9:00pm(email to arrange an appointment)

**USE your Western e-mail to communicate.** Please use your student Western e-mail addresses. Non-Western e-mail addresses received from students will not be opened.

**COURSE FORMAT**

The course material will be provided via pre-recorded lectures as well as review exercises. Both the lectures and review activities will be made available via the OWL website for the course.

The OWL website will also act as a communication hub with forums dedicated to address students' questions in preparation for the mid-term and final examinations, as well as forums dedicated to the group assignment.

**COURSE DESCRIPTION**

In this course, we will examine diseases and health conditions frequently encountered in rehabilitation practices. Definitions and concepts regarding people living with a disability.

The course is divided into three content sections (See Pg. 8 for Class Outline):

- Section 1 = Neurological disorders.
- Section 2 = Chronic pulmonary conditions.
- Section 3 = Musculoskeletal disorders.

## **PREREQUISITES**

The prerequisites for this RS 3060 course are Health Sciences 2300A/B or Kinesiology 2222A/B or Anatomy and Cell Biology 2221; registration in the Honors Specialization, Major or Minor modules in Rehabilitation Sciences.

It is the student's responsibility for ensuring that course prerequisites have been successfully completed or special permission from the Dean has been obtained.

Unless you have either the prerequisites for this course or written special permission from your Dean (see your academic counsellor) to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

## **COURSE GOALS**

The goal of the course is to enhance the understanding of major health conditions and diseases that are frequently encountered in rehabilitation practices.

## **COURSE LEARNING OBJECTIVES**

At the end of this course, for each selected health condition or disease, the student will demonstrate knowledge of:

- (a) Epidemiology
- (b) Etiology
- (c) Pathology
- (d) Quality of Life

## **OWL**

All students need to use OWL to access resources used in this course such as Power Point presentations for lectures and additional handouts. Students are responsible for checking the OWL site for this course to attain handouts, lectures, updates or changes to the schedule. Note that the course instructor will not answer e-mail in OWL. Please contact the instructor by e-mail for difficulties accessing OWL.

**OWL website: RehabSci 3060A FW19**

## **COURSE EVALUATION**

Mid-term exam (Week of October 26):	35%
Final exam (date TBD):	35%
Group assignment (December 2):	30%

**NOTE:** Your final grade will come **from the registrar**, not the course instructor.

**Examinations:**

In this course there will be one midterm test and a final exam during the final examination period in December. Questions will consist of computer-marked multiple-choice responses. These exams are designed to assess your knowledge of all materials and concepts identified and discussed in provided lectures and handouts.

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

The midterm exam (35%) will cover all material from lectures prior to the midterm test. The final exam (35%) will cover all material from lectures after the mid-term test.

**Group Assignment (30%):**

The assignment requires you to work with classmates in assigned groups. You will be asked to form into groups after the add/drop period in September. You will then be provided with detailed information about the assignment.

The assignment requires you to:

- a) Select a health condition **NOT** covered in the course, among selected provided conditions
- b) Research the health condition
- c) **Create a Patient Glossary** as an educational tool for a person (or his/her family member) with the selected health condition
- d) **Submit your assignment on December 2, 2020.**

**Late Penalty for Assignment:**

A late assignment will be penalized 10% for each day that it is late. There will be no exceptions except for valid, extenuating circumstances (death in the family, incapacitating illness which **MUST be verified and documented with a School of Health Studies Academic Counsellor.**

**Letter Grades:**

The university-wide descriptor of the meaning of letter grades, as approved by Senate:

A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work that is clearly above average
B	70-79	Good work, meeting all requirements and eminently satisfactory
C	60-69	Competent work, meeting requirements
D	50-59	Fair work, minimally acceptable.
F	below 50	Fail

It is expected that the average grades for this course will fall between 72-76% (core). In the event that the course average falls outside this range, a constant may be added (or subtracted) from each student's grade, by the instructor, to bring the class average in line with school policy.

## **COURSE POLICIES AND PROCEDURES**

### **Student Code of Conduct:**

The purpose of the Code of Student Conduct is to define the general standard of conduct expected of students registered at Western University, provide examples of behaviour that constitutes a breach of this standard of conduct, provide examples of sanctions that may be imposed, and set out the disciplinary procedures that the University will follow. For more information, visit <http://www.uwo.ca/univsec/pdf/board/code.pdf>.

### **English Proficiency for the Assignment of Grades:**

Visit [http://www.uwo.ca/univsec/pdf/academic\\_policies/exam/english.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/exam/english.pdf) the [http://www.uwo.ca/univsec/pdf/academic\\_policies/exam/english.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/exam/english.pdf) website:

### ***Use of Recording Devices and Course Content***

Course instructors own and retain the intellectual property rights of their teaching materials. These rights extend to materials used in online settings and digital learning management systems like Owl, Zoom and TopHat. Students do not have our permission to make audio or video recordings of lectures, take pictures of lecture material, or distribute any course content for nefarious purposes (E.g. for sale or to cheat on exams). It is the decision of the instructor as to how and when teaching materials can be shared or used. ***Unless explicitly noted otherwise, you may not make audio or video recordings of pre-recorded lectures or other course materials. Nor may you edit, re-use, distribute, or re-broadcast any of the material posted to the course website.***

### **Scholastic Offences:**

Scholastic offences are taken seriously, and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following website:

[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf)

Additionally:

1. All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University to detect plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose

of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).

2. Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

**Accommodation for Medical Illness or Non-Medical Absences:**

The University recognizes that a student's ability to meet their academic responsibilities may, on occasion, be impaired by extenuating circumstances, including short-term illness or injury. Reasonable academic consideration is a cooperative process between the University, the student, and academic staff. All participants in the process must act in good faith, and fulfil their respective obligations, if it is to succeed.

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant as to temporarily render them unable to meet academic requirements, may submit a request for academic consideration through the following routes:

- (i) Submitting a Self-Reported Absence form, provided that the conditions for submission are met;
- (ii) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner, in order to be eligible for Academic Consideration; or
- (iii) For non-medical absences, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to Academic Counselling in their Faculty of registration, in order to be eligible for academic consideration.

Students seeking academic consideration:

- Are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work;
- Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g., argument with a friend) are not normally an appropriate basis for a self-reported absence;
- **Must communicate with their instructors no later than 24 hours** after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence;

- **Are advised that all necessary documentation, forms, etc. are to be submitted to academic counselling within two business days after the date specified for resuming responsibilities.**

Students who experience an unexpected illness or injury or an extenuating circumstance (48 hours or less) that is sufficiently severe as to temporarily render them unable to meet academic requirements (e.g., attending lectures or labs, writing tests or midterm exams, completing and submitting assignments, participating in presentations) should self-declare using the online Self-Reported Absence portal. This option should be used in situations where the student expects to resume academic responsibilities within 48 hours or less. The following conditions are in place for self-reporting of medical or extenuating circumstances:

- a. Students will be allowed a maximum of two self-reported absences between September and April, and one self-reported absence between May and August;
- b. The duration of the excused absence will be for a maximum of 48 hours from the time the Self-Reported Absence form is completed through the online portal, or from 8:30am the following morning if the form is submitted after 4:30pm;
- c. The duration of the excused absence will terminate prior to the end of the 48 hour period, should the student undertake significant academic responsibilities (e.g., write a test, submit a paper) during that time;
- d. The duration of an excused absence will terminate at 8:30am on the day following the last day of classes each semester, regardless of how many days of absence have elapsed;
- e. Self-reported absences will not be allowed for scheduled final examinations; for midterm examinations scheduled during the December examination period; or for final lab examinations (i.e., “bellringers”);
- f. Self-reporting may not be used for assessments (e.g., midterm exams, tests, reports, presentations, or essays) worth more than 30% of any given course.
- g. *Students must be in touch with their instructors no later than 24 hours after the end of the period covered by the Self-Reported Absence form, to clarify how they will be expected to fulfil the academic expectations they may have missed*

**Professional Behaviour:**

Students are expected to make a genuine contribution to any group activities and respect the opinions of others in the learning process.

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect and to refrain from actions disruptive to such a relationship. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere, and the responsibility of the student to co-

operate in that endeavour. Further, the instructor is the best person to decide, in the first instance, whether such an atmosphere is present in the class environment.

### **Use of Electronic Devices:**

During Exams: unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any of the following electronic devices during ANY of the examinations: cellphones, smart phones, smart watches, smart glasses, audio players or recorders of any sort, video cameras, video games, DVD players, televisions, flashlights or laser pointers.

### **SUPPORT SERVICES FOR STUDENTS**

There are various online support services around campus and these include, but are not limited to:

1. Student Development Centre -- <http://www.sdc.uwo.ca/>
2. Student Health – <https://www.uwo.ca/health/shs/>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombud's Office -- <http://www.uwo.ca/ombuds/>

### **HEALTH AND WELLNESS**

As part of a successful undergraduate experience at Western, we encourage you to make your health and wellness a priority. Western provides several online and on-campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your degree. For example, to support physical activity, all students receive membership in Western's Campus Recreation Centre as part of their registration fees. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page (<http://www.music.uwo.ca/>), or the McIntosh Gallery (<http://www.mcintoshgallery.ca/>). Further information regarding health and wellness-related services available to students may be found at <http://www.health.uwo.ca/>.

If you are in emotional or mental distress, you should refer to Mental Health@Western <http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help. To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: <https://www.uwo.ca/health/wec/education/learning.html>.

## SCHEDULE OF KEY DATES AND TOPICS

<b>Week</b>	<b>Week of</b>	<b>Topic</b>
1-4	Sept 14 Sept 21 Sept 28 Oct 5	<b><u>Neurological Disorders</u></b> Orientation & Stroke I* Stroke II and Spinal Cord Injury I* Spinal Cord Injury II and Traumatic Brain Injury* Parkinson's Disease*
5	Oct 12	Thanksgiving – NO CLASS
6	Oct 19	Cerebral Palsy†
7	Oct 26	<b>MIDTERM TEST</b>
8	Nov 2	Project Week – NO CLASS
9	Nov 9	Multiple Sclerosis*
10-11	Nov 16 Nov 23	<b><u>Lung Conditions</u></b> Chronic Obstructive Pulmonary Disease* Cystic Fibrosis*/ Asthma*/ Restrictive Lung Disease*
12-13	Nov 30 Dec 2	<b><u>Musculoskeletal Disorders</u></b> Arthritis* Osteoporosis and Fractures† & <b>Submit Group Assignment</b>
	<b>TBD</b>	<b>FINAL EXAM in Exam Period</b>

**The lecture timetable is subject to change, as needed, throughout the course.**

**Textbooks used to create the lectures:**

\*O'Sullivan SB, Schmitz TJ, Fulk GD (2019). *Physical Rehabilitation* (7<sup>th</sup> ed). Philadelphia, PA: FA Davis Company.

†Goodman CC, Fuller KS (2015). *Pathology. Implications for the Physical Therapist* (4<sup>th</sup> ed). St. Louis, MI: Saunders Elsevier.