

**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, 2018**

**LECTURE TIMES AND LOCATION**

Monday evening                      6:30 – 9:20 pm                      HSB-240

**Course Instructor:**

Tom Overend                              PT, PhD

**Contact information:**

Tom Overend

Office:                                      Elborn College (EC), Room 1006

Phone:                                      519 661-2111, x80310

Course e-mail:                              [toverend@uwo.ca](mailto:toverend@uwo.ca) – preferred method of contact

Office hours:                              by appointment in EC office

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

**COURSE DESCRIPTION**

In this course, we will examine diseases and health conditions frequently encountered in rehabilitation. Definitions and concepts regarding people with disabilities will be applied within this course.

The course is divided into three content sections. The first part covers selected neurological disorders. The second part covers chronic pulmonary conditions and the third part covers musculoskeletal disorders. See Page 8 for a class outline.

## **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 a Rehabilitation Sciences module or enrolment in the third or fourth year of the School of Health Studies or School of Kinesiology.

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 requisites 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 by students in rehabilitation science.

## **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) How the health condition or disease impacts on persons with the illness.

## **OWL**

All students need to use OWL to access resources used in this course such as Power Point handouts for lectures and additional handouts. Students are responsible for checking OWL for this course for handouts, lectures, updates or changes to the schedule. Information or materials not posted on OWL 24 hours in advance of class time will be provided by the course instructor in class. 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 FW18**

## **COURSE EVALUATION**

Mid-term exam (October 22)	35%
Final exam (TBD)	35%
Group assignment (December 3)	30%

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

### **Examinations:**

In this course there will be one in-class midterm test (October 22) and a final exam during the final examination period in December. Questions will consist of computer-marked multiple-choice responses, and/or short answer written responses. These exams are designed to assess your knowledge of all materials and concepts identified and discussed in class including lectures, handouts and films/video.

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.

### **Midterm Test (35%):**

The midterm test will be held October 22 during the class session at 6:30 pm in room HSB 240 (see the schedule on page 8). The midterm exam will consist of computer-marked multiple-choice questions and/or short answer written responses. Case scenarios or vignettes may be included. The midterm exam will cover all material from lectures prior to the midterm test.

### **Final Exam (35%):**

The final exam will be held during the final examination period in December. The final exam will consist of computer-marked multiple-choice questions and/or short answer written responses. Case scenarios or vignettes may be included. The exam will cover all material from lectures after the mid-term test.

### **Group Assignment (35%):**

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;
- 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 the last class: December 3, 2018.**

### **Late Penalty for Assignment:**

A late assignment will be penalized 10% for each day, or part of day, that it is late. For example, an assignment graded as 41/50 will have 5 points deducted from the mark if handed in one day late and will be recorded as 36/50. There will be no exceptions except for valid, extenuating circumstances (death in the family, incapacitating illness, etc) 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 the website:

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

### **Cheating:**

Cheating involves a number of things, including the use of unauthorized material in an exam and divulging exam material to another student.

### **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:**

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_illness.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf)

The University recognizes that a student's ability to meet his/her academic responsibilities may, on occasion, be impaired by medical illness. Illness may be acute (short term), or it may be chronic (long term), or chronic with acute episodes. The University further recognizes that medical situations are deeply personal and respects the need for privacy and confidentiality in these matters. However, in order to ensure fairness and consistency for all students, academic accommodation for work representing 10% or more of the student's overall grade in the course shall be granted only in those cases where there is documentation indicating that the student was seriously affected by illness and could not reasonably be expected to meet his/her academic responsibilities.

A UWO Student Medical Certificate (SMC) is required where a student is seeking academic accommodation. This documentation should be obtained at the time of the initial consultation with the physician or walk-in clinic. An SMC can be downloaded under the Medical Documentation heading of the following website: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/medicalform.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf)

Documentation is required for non-medical absences where the course work missed is more than 10% of the overall grade. Students may contact their Faculty Academic Counselling Office for what documentation is needed.

Whenever possible, students who require academic accommodation should provide notification and documentation in advance of due dates, examinations, etc. Students must follow up with their professors and their Academic Counselling office in a timely manner. Documentation for any request for accommodation shall be submitted, as soon as possible, to the appropriate Academic Counselling Office

of the student's Faculty of registration. **For BHSc students, you may go to the School of Health Studies Office in HSB room 222.**

**Professional Behaviour:**

Students are expected to attend all classes, arrive on time for class, participate in class discussion, 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 in the classroom, 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.

**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 tests, quizzes, midterms, examinations, or other in-class evaluations: cellphones, smart phones, smart watches, smart glasses, audio players or recorders of any sort, video cameras, video games, DVD players, televisions, laptop/notebook/netbook computers, flashlights or laser pointers.

During Lectures and Tutorials: Although you are welcome to use a computer during lecture and tutorial periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in any activities that may distract other students from learning. From time to time, your professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class.

**Cell phones are to be turned off during scheduled class time.**

**SUPPORT SERVICES FOR STUDENTS**

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

1. Student Development Centre -- <http://www.sdc.uwo.ca/ssd/>
2. Student Health -- <http://www.shs.uwo.ca/student/studenthealthservices.html>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombuds Office -- <http://www.uwo.ca/ombuds/>

## **HEALTH AND WELLNESS FOR STUDENTS**

As part of a successful undergraduate experience at Western, we encourage you to make your health and wellness a priority. Western provides several 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://uwo.ca/health/mental\\_wellbeing/education/module.html](https://uwo.ca/health/mental_wellbeing/education/module.html).

## SCHEDULE OF KEY DATES AND TOPICS

Week	Date	Topic
1-4	Sept 10 Sept 17 Sept 24 Oct 1	<u><b>Neurological Disorders</b></u> Orientation & Stroke I* Stroke II and Spinal Cord Injury I* Spinal Cord Injury II and Traumatic Brain Injury* Parkinson's Disease*
5	Oct 8	Thanksgiving – NO CLASS
6	Oct 15	Cerebral Palsy†
7	Oct 22	<b>MIDTERM TEST - in class: 6:30 pm; Location HSB 240</b>
8	Oct 29	Multiple Sclerosis*
9-11	Nov 5 Nov 12 Nov 19	<u><b>Lung Conditions</b></u> Chronic Obstructive Pulmonary Disease* <u>Project Week – NO CLASS</u> Cystic Fibrosis*/ Asthma*/ Restrictive Lung Disease*
12-13	Nov 26 Dec 3	<u><b>Musculoskeletal Disorders</b></u> Arthritis* Osteoporosis and Fractures† <b>Submit Group Assignment</b>
	<b>TBD</b>	<b>FINAL EXAM in Mid-Year Exam Period</b>

### **Textbooks used to create the lectures:**

\*O'Sullivan SB, Schmitz TJ, Fulk GD (2014). *Physical Rehabilitation* (6<sup>th</sup> ed). Philadelphia, PA: FA Davis Company.

†Goodman CC, Fuller KS (2009). *Pathology. Implications for the Physical Therapist* (3<sup>rd</sup> ed). St. Louis, MI: Saunders Elsevier.