

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, 2016

LECTURE TIMES AND LOCATION:

Monday evening 6:30 – 9:30 pm HSB-35

Course Instructor:

Tom Overend PT, PhD

Contact information:

Tom Overend

Office: Elborn College (EC), Room 1445

Phone: 661-2111, x88850

Course e-mail: 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 and heart conditions and the third part covers musculoskeletal and associated disorders.

PREREQUISITES:

The prerequisites for this course are the former Biology 1222 or 1223 or Physiology 1021 or equivalent; 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 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) basic pathology, and
- (d) how the health condition or disease impacts on persons with the illness.

COURSE READING MATERIAL:

A course reading package will be available to purchase in the campus bookstore.

Other Readings:

Other mandatory readings will be put on reserve in the library or will be available electronically through the internet or library internet holdings, or posted on OWL. Students are responsible for acquiring readings either through library or Internet holdings.

OWL Sakai:

All students need to use OWL to access resources used in this course such as Power Point handouts for lectures, additional handouts and assigned readings. Students are responsible for checking OWL for this course for readings, 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 email in OWL. Please contact the instructor by e-mail for difficulties accessing OWL.

COURSE EVALUATION:

Mid-term exam	35%
Final exam	35%
Group assignment	30%

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

Examinations:

In this course there will be one (1) in-class midterm test 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, films, and any guest lecturers and assigned readings.

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 24 during the class session at 6:30 pm. See the schedule on page 7. 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 and readings for the period prior to the mid-term 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 and readings 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. Then you will 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 5, 2016.**

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.

COURSE POLICIES AND PROCEDURES:

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 Web site:

<http://www.westerncalendar.uwo.ca/2015/pg113.html>

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 The University of Western Ontario, 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

Cheating:

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

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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

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 for the detection of 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:

<http://www.westerncalendar.uwo.ca/2016/pg117.html>

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

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.

Non-Medical Absence From Midterm and Final Exam:

Students must see a School of Health Studies Academic Counsellor if they miss a midterm or final examination for a non-medical reason. Documentation shall be submitted, as soon as possible, to a School of Health Studies Academic Counsellor, together with a request for relief specifying the nature of the accommodation being requested.

Professional Behaviour:

Students are expected to attend all classes, arrive on time for class, **read assigned readings prior to 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. This professional and courteous behaviour must also be extended to guest lecturers. 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:

Electronic devices will not be allowed during tests and examinations.

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

SUPPORT SERVICES FOR STUDENTS:

Support Services

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

1. Student Development Centre -- <http://www.sdc.uwo.ca/>
2. Student Health – <http://www.uwo.ca/health/services/students/index.html>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombuds Office -- <http://www.uwo.ca/ombuds/>

Students may find the web sites below to be helpful throughout the academic year:

Registration Services: <http://www.registrar.uwo.ca>

Student Services: <https://student.uwo.ca/>

Development Centre: <http://www.sdc.uwo.ca>

SCHEDULE OF KEY DATES AND TOPICS

Each topic has a corresponding reading in the reading package. Assigned readings are to be read BEFORE class.

Additional readings will be provided throughout the term.

Week	Date	Topic
1-4	Sept 12 Sept 19 Sept 26 Oct 3	<u>Neurological Disorders</u> Orientation & Stroke I* Stroke II and Spinal Cord Injury* Traumatic Brain Injury* Parkinson's Disease*
5	Oct 10	Thanksgiving – NO CLASS
6	Oct 17	Cerebral Palsy†
7	Oct 24	MIDTERM TEST - in class: 6:30 pm; Location HSB 35
8-11	Oct 31 Nov 7 Nov 14 Nov 21	<u>Heart and Lung Conditions</u> Chronic Obstructive Pulmonary Disease* <u>Project Week – NO CLASS</u> Cystic Fibrosis*/ Asthma* / Restrictive Lung Disease* Heart Disease*
12-13	Nov 28 Dec 5	<u>Musculoskeletal and Associated Disorders</u> Arthritis* Osteoporosis and Fractures† Submit Group Assignment
	TBD	FINAL EXAM in Mid-Year Exam Period

* Source Textbook:

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

† Source Textbook:

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