

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, 2012**

LECTURE TIMES AND LOCATION:

Monday evening 6:00 – 9:00pm Health Sciences-Room 35

Course Instructors:

Adam Cann, RPT, PhD
Kathy Sidhu, RPT, MScPT

Contact information:

Adam Cann - Course Manager

Course e-mail: adamcann@hotmail.com – preferred method of contact
Office hours: by appointment

Kathy Sidhu

Course email: ksidhu@vha.ca – preferred method of contact
Office hours: by appointment

USE your UWO e-mail to communicate. Only student UWO e-mail addresses will be used. Non UWO email 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 3 content sections. The first part covers selected musculoskeletal disorders. The second part covers chronic pulmonary conditions and the third part covers neurological 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 students understanding of major health conditions and diseases that are frequently encountered by rehabilitation service providers.

COURSE LEARNING OBJECTIVES:

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

- (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 email for difficulties accessing OWL.

COURSE EVALUATION:

| | |
|--------------------|-----|
| Participation quiz | 5% |
| Mid-term exam | 35% |
| Final exam | 35% |
| Group assignment | 25% |

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

Examinations

In this course there will be one in-class participation quiz, one in-class mid term 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.

Participation Quiz

The participation quiz will be held at the end of the lecture on November 12th. The quiz will consist of short answer written responses. Case scenarios or vignettes may be included. The participation quiz will only cover information provided during this specific lecture. A grade of 0% will be assigned if you are not able to attend this class.

Mid Term Test (35%)

The mid term test will be held during the class session at 6 p.m. See the schedule on page 6 for the specific date. The mid term exam will consist of computer-marked multiple-choice questions and/or short answer written responses. Case scenarios or vignettes may be included. The mid term 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 lecturers 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 3, 2011.**

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.uwo.ca/univsec/handbook/appeals/scholoff.pdf>

CHEATING:

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

PLAGIARISM:

Students must write their assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offense (see Scholastic Offence Policy in the Western Academic Calendar). Make sure you ask if you have any doubts about whether or not you may be plagiarizing. Please note that ignorance is not an excuse when it comes to plagiarism. It is your responsibility to check and ask. The University of Western Ontario uses software for plagiarism checking. Students may be required to submit their written work in electronic form for plagiarism checking with Turn-it-in.

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>).

ACCOMMODATION FOR MEDICAL ILLNESS:

The University Policy on Accommodation for Medical Illness can be found at the following website: <https://studentservices.uwo.ca/secure/index.cfm>. 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.

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:

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

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

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

Student 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 10 Sept 17 Sept 24 Oct 1 | <u>Musculoskeletal and Associated Disorders</u> Arthritis* (Instructor: K. Sidhu) Lumbar Anatomy and Physiology (Instructor: A. Cann) Low Back Pain† (Instructor: A. Cann) Osteoporosis and fractures‡ (Instructor: K. Sidhu) |
| 5 | Oct 8 | Thanksgiving – NO CLASS |
| 6 | Oct 15 | <u>Chronic Pulmonary Dysfunction</u> Chronic Obstructive Pulmonary Disease, Cystic Fibrosis, Asthma & Restrictive Lung Disease* (optional) (Instructor: A. Cann) |
| 7 | Oct 22 | MID TERM TEST - in class: 6:00 pm – SH 2355 <u>Proctored by A. Cann</u> |
| 8-12 | Oct 29 Nov 5 Nov 12 Nov 19 Nov 26 | <u>Neurological Disorders</u> Stroke* (Instructor: K. Sidhu) Parkinson's Disease (Instructor: K. Sidhu) Juvenile Diabetes (Guest Lecturer: J. Jenney) Cerebral Palsy (Instructor: K. Sidhu) Traumatic Spinal Cord Injury* & Traumatic Brain Injury (Instructor: A. Cann) |
| 13 | Dec 3 | Consolidation and Review (Instructor: K. Sidhu) Submit Group Assignment |
| | Dec 10-21 | FINAL EXAM in Mid Year Exam Period |

*Source Textbook:

O'Sullivan, S. B., & Schmitz, T. J. (2007). *Physical Rehabilitation* (5th ed.). Philadelphia, PA: F.A. Davis Company.

† Source Textbook:

Goodman C.C., & Fuller, K. S. (2009). *Pathology. Implications for the Physical Therapist* (3rd ed.). St. Louis, MI: Saunders Elsevier.

‡ Source Textbook:

McGill, S. (2002). *Low Back Disorders. Evidence-Based Prevention and Rehabilitation*. Champaign, IL: Human Kinetics.