

The University of Western Ontario
School of Health Studies

Rehabilitation Sciences 4970

Conceptual and Practical Basis for Rehabilitation Practice

Instructor: Dalton Wolfe

Fall 2017 – Winter 2018

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Office Room Number: Parkwood Institute, Room B3-191

Office Hours: Appointments available on Request (Will come to Western as needed – however, will be easiest to arrange meetings with student in the times prior to or after the Wednesday class time.

Class time: Wednesday 3:30-5:30

Class location: Parkwood Institute (Various locations)

Note: A key aspect of this course is that all Wednesday seminars as well as the practical experiences will take place at Parkwood Institute with the necessity of allowing for travel time (e.g., ~25 min by car / ~40 min by bus) between the University and Parkwood.

Antirequisite(s): Health Sciences 4900E, Health Sciences 4910F/G.

Prerequisite(s): Permission of the School of Health Studies; Enrolment in the fourth year of an Honors Specialization module in the School of Health Studies, with a minimum average of 75%.

Corequisite(s): Pre-or Corequisite(s): Rehabilitation Sciences 4212A/B (or Rehabilitation Sciences 4210A/B if taken prior to September 2017).

Extra Information: 2 seminar hours, 1.0 course; Priority will be given to students enrolled in the Honors Specialization in Rehabilitation Sciences.

Prerequisite Checking

Unless you have either the requisites for this course or written special permission from your Dean 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.

Please refer to the Western Academic Calendar at www.westerncalendar.uwo.ca for information on prerequisites and/or antirequisites.

Course Information

This experiential learning course offers an in-depth examination of the required background, concepts and practical considerations related to a series of rehabilitation practices selected to expose the student

to a broad range of activities over several patient populations and associated with a variety of health care disciplines.

Course Objectives

1. To achieve an understanding of the conceptual and clinical basis of key rehabilitation practices across typical rehabilitation populations (e.g., spinal cord injury, acquired brain injury, amputation, stroke).
2. To obtain skills and insight associated with conducting various rehabilitation practices. These practices will include body-weight supported treadmill training, robotic-assisted locomotor training, use of functional electrical stimulation to enhance both upper and lower limb function, enhancing self-management skills in patients, etc.
3. To gain an appreciation of what key rehabilitation processes entail and also what they consist of in real-life practice e.g., different assessment procedures, inter-disciplinary care, developing a plan of care, discharge planning.
4. To gain an understanding of the roles and practice patterns of various rehabilitation health care professionals across an inter-disciplinary team.

More Specific Information: This course will revolve around an experiential learning focus. Students will be placed in a clinical setting to work alongside clinicians (typically physical or occupational therapist working with acquired brain or spinal cord injured patients). This “placement” will comprise ~3-4 hours / week where the student takes direction from the therapist in order to assist the clinician with their activities. In addition, there may be program development activities assigned to students (again under the supervision of a member of the clinical team). These practical experiences will be designed to assist the student toward achieving an understanding of some of the key therapeutic activities that may comprise a rehabilitation program and also to understand some of the underlying concepts or principles that reflect the rationale for these activities, relative to a specific patient.

In addition to the practical component, students will be expected to attend a weekly seminar that will consist of either:

- a) a mix of didactic or interactive seminar format aimed at providing background, overview, concepts, rationale related to specific rehab practices that the students will see as part of their practical work.
- b) a lab or discussion-based format where the course instructor(s) would briefly introduce concepts surrounding rehabilitation practices and/or provide training experiences associated with these practices. This would transition to students presenting their observations and learnings associated with their practicum area of focus so as to give an overview to all students of each rehab practice covered in the course.

A special aspect of this course is that it will provide several opportunities for practical experiences. This will involve being at Parkwood Institute, which houses the Southwestern Ontario Regional Rehabilitation Program. During these sessions there will be opportunities to interact with various Rehabilitation

Professionals as well as individuals who are living with disability. **It is expected that students provide their own transportation to Parkwood Hospital acknowledging that it does take ~20 min by car and ~40 min by bus between Western and Parkwood.** Parkwood connects with the University via the LTC Richmond bus line (#6). Parking is also available at a cost of \$4.00 at Parkwood Hospital.

Course Materials

There are no textbooks for the course. However, various resources associated with the practical experiences will be posted to the course website (OWL).

Evaluation

Evaluation Component	Date	Proportion of Final Grade
Participation (Assessment by Instructor)	Throughout year	20%
Seminar / Lab Assignments	Throughout year	30%
Presentation (Summary of Learning Experience – or Topic of Particular Interest)	End of 2 nd Term)	20%
Synopsis of Learnings (Focus on a practice, what student learned and Implications for future)	End of 2 nd term	30%

Late assignments: – A late assignment will be penalized by 10% for each day, or part of a 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.

In the event a course commitment (i.e., assignment) is missed and in most cases, and where warranted, a make-up examination or assignment will be arranged that is agreeable to the student and instructor.

Statement on Use of Electronic Devices

Laptops may be used in the classroom for note-taking but other use during class time is not permitted and students are urged to use good judgement with respect to appropriateness of use and how it might interfere with other students learning experiences.

ADDITIONAL STATEMENTS

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.

Accommodation for Medical Illness or Non-Medical Absences

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.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 Student Services website: <https://student.uwo.ca/>

Documentation is required for non-medical absences where the course work missed is more than 10% of the overall grade. Students may contact the 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 SHS students, you may go to the School of Health Studies Office in HSB room 222.

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.

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>).

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