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, 2021  

LECTURE TIMES AND LOCATION  

Monday evening: 6:30 – 9:20 pm    Room Number Pending  

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

Office Hours: Email address: tseely2@uwo.ca  
email to arrange an appointment  

CONTACT INFORMATION  

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

Contact information:  

Course e-mail: tseely2@uwo.ca – preferred method of contact  
Office hours: 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 in person lectures as well as in person review exercises.  

The OWL platform is a resource for lectures, exercise activities, and working on the group assignment. It is also a vital space of communication between instructor and students related to exam information as well as the ebb and flow of the term.
COURSE DESCRIPTION

In this course, we will examine diseases and health conditions frequently encountered in rehabilitation practices. This will be done through an understanding of the anatomical area of the body involved, the pathological process of the condition, signs and symptoms of the condition and general assessment principles. The experiences of people with select physical disabilities will also be explored through the use of in class clinical cases.

The course is divided into three content sections:
Section 1 = Neurological disorders.
Section 2 = Chronic pulmonary conditions.
Section 3 = Musculoskeletal disorders.

See Page 9 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 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

One goal of this course is to enhance your understanding of the most prevalent health conditions and diseases encountered in rehabilitation practices. Building on a foundation of anatomic knowledge of the region, you will attain a better appreciation of influence of the pathological process of various conditions and their role in affecting the body’s function.

Another goal of this course is the appreciation of both the short and long term impact of these conditions on the quality of life of the people who experience them. This will look both at the influence on activities of daily living and participation in society as a whole.
COURSE LEARNING OBJECTIVES

At the end of this course students will demonstrate knowledge of presented conditions related to:

(a) Epidemiology  
(b) Etiology  
(c) Pathology  
(d) How the health condition or disease impacts the quality of life of patients

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 the OWL site for this course to attain 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 FW21

COURSE EVALUATION

Mid-term exam (Week of October 25): 35%  
Final exam (date TBD): 35%  
Group assignment (December 6): 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 25) and a final exam during the final examination period in December. Questions will consist of computer-marked multiple-choice response. These exams are designed to assess your knowledge of all materials and concepts identified and discussed in class including lectures, handouts and in-class exercises.

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 25 during the class session (see the schedule on page 9). The midterm exam will consist of computer-marked multiple-choice questions. Case scenarios or vignettes may be included. The midterm exam will cover all material 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. Case scenarios or vignettes may be included. The exam will cover all material after the mid-term test.

**Group Assignment (30%):**

The assignment requires you to work with classmates in 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 6, 2021.**

**Late Penalty for Assignment:**

A late assignment will be penalized 5% for each day, or part of day, that it is late. For example, an assignment graded as 41/50 will have 2.5 points deducted from the mark if handed in one day late and will be recorded as 38.5/50. 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:

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

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 https://www.westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_20.

English Proficiency for the Assignment of Grades:
Visit the website: https://www.westerncalendar.uwo.ca/PolicyPages.cfm?PolicyCategoryID=5&Command=showCategory&SelectedCalendar=Live&ArchiveID=#Page_71

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. 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.

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

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 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.
**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 auditory sounds (ring tones, message chimes) 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://academicsupport.uwo.ca/](http://academicsupport.uwo.ca/)
2. Student Health -- [https://www.uwo.ca/health/](https://www.uwo.ca/health/)

**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/](http://www.music.uwo.ca/)), or the McIntosh Gallery ([http://mcintoshgallery.ca/](http://mcintoshgallery.ca/)). Further information regarding health and wellness-related services available to students may be found at [http://www.health.uwo.ca/](http://www.health.uwo.ca/).

If you are in emotional or mental distress should refer to Mental Health@Western [Mental Health Support - Health & Wellness - Western University (uwo.ca)](http://www.health.uwo.ca/) 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: [Health & Wellness - Western University (uwo.ca)](http://www.health.uwo.ca/)
# SCHEDULE OF KEY DATES AND TOPICS

<table>
<thead>
<tr>
<th>Week</th>
<th>Week of</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1-4</td>
<td>Sept 13</td>
<td><strong>Neurological Disorders</strong>&lt;br&gt;Orientation &amp; Stroke I*&lt;br&gt;Stroke II and Spinal Cord Injury I*&lt;br&gt;Spinal Cord Injury II and Traumatic Brain Injury*&lt;br&gt;Parkinson's Disease*</td>
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<tr>
<td>5</td>
<td>Oct 11</td>
<td>Thanksgiving – NO CLASS</td>
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<tr>
<td>6</td>
<td>Oct 18</td>
<td>Cerebral Palsy†</td>
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<td>7</td>
<td>Oct 25</td>
<td><strong>MIDTERM TEST</strong></td>
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<tr>
<td>8</td>
<td>Nov 1</td>
<td>Project Week – NO CLASS</td>
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<td>9</td>
<td>Nov 8</td>
<td>Multiple Sclerosis*</td>
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<tr>
<td>10-11</td>
<td>Nov 15</td>
<td><strong>Lung Conditions</strong>&lt;br&gt;Chronic Obstructive Pulmonary Disease*&lt;br&gt;Cystic Fibrosis*/ Asthma*/ Restrictive Lung Disease*</td>
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<td>Nov 22</td>
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<tr>
<td>12-13</td>
<td>Nov 29</td>
<td><strong>Musculoskeletal Disorders</strong>&lt;br&gt;Arthritis*&lt;br&gt;Osteoporosis and Fractures† and Submit Group Assignment</td>
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<td>Dec 6</td>
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<tr>
<td></td>
<td>TBD</td>
<td><strong>FINAL EXAM in Exam Period</strong></td>
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The lecture timetable is subject to change, as needed, throughout the course.

Textbooks used to create the lectures:
