The University of Western Ontario
School of Health Studies

Rehabilitation Science 4810A
Evidence Based Practice in Rehabilitation

Instructor: Peter Theodosopoulos, MSc (Kin), DPT, CertMDT
Email: ptheodo@uwo.ca
Office Room Number: TBD
Office Hours: By Appointment

Times and Location: Wednesday 7:00pm-10:00pm – HSB-35

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.

COURSE DESCRIPTION

HS4810A provides students with the foundational knowledge and skills necessary to conscientiously, explicitly, and judiciously use current best evidence in making clinical decisions. This course focuses on the components of evidence-based practice, formulation answerable clinical questions, and accessing and evaluating professional information as presented in journal articles, abstracts, internet sites, and textbooks. As well, students will develop algorithms for making and analyzing clinical decisions based on available professional literature.

The course is offered in lecture/seminar format to facilitate students ability to critically analyze clinical literature and integrate conclusions into patient case management.

Upon completion of this course, the student will be able to:
1. Define evidence based practice and critique its use
2. Use the PICO system to develop answerable clinical questions
3. Access and critically evaluate information from a wide range of electronic and paper sources.
4. Critically evaluate published studies and abstracts related to rehab practice, research, and education
5. Perform clinical decision-making, including clinical reasoning, clinical judgment and begin to demonstrate reflective practice and identify the principles of clinical decision making in the delivery of patient/client care.

Database Websites:
PubMed (http://www.pubmed.gov)
Cochrane Database of Systematic Reviews (http://www.cochrane.org)
Evidence-Based Practice Websites
Center for Evidence-Based Medicine (http://www.cebm.utoronto.ca/)
Canadian Center for Health Evidence (http://www.cche.net/)
EVALUATION:
Nuts/Bolts Quiz 5%  Grade Distribution:
PICO Assignment 5%  A = 80-100
Presentation 1 20%  B = 70-79
Presentation 2 20%  C = 60-69
Participation 10%  D = 50-59
Final Exam 40%  F = Below 50

COURSE POLICIES AND PROCEDURES
Course Website: The course website should be your primary source of information regarding course content and procedures (outside of lecture).
Bulletin Board/Lecture: You are expected to attend every class as all material, including videos and guest speakers will be part of the course evaluation.
Assignments: All assignments must be physically handed in at the beginning of class. Emailed assignments, or assignments turned into the health science main office, will be discarded. Late assignments will not be accepted for any reason (i.e. you will receive zero for the assignment).

LECTURE AND TOPIC SCHEDULE
Changes to this lecture schedule will be announced in class and on the course website. All lecture overheads will be available for download (from course website), one week prior to lecture, and so it is expected that you will obtain printouts of the overheads prior to attending the lecture. Additional assigned readings will be uploaded to the course website one week in advance.

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<thead>
<tr>
<th>DATE</th>
<th>WEEK</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>Sept 14</td>
<td>1</td>
<td>Orientation</td>
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<td>What is Evidence Based Practice (Myths/Concepts)</td>
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<td>EBP characteristics</td>
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<td>Sept 21</td>
<td>2</td>
<td>PICO activities/Case Study Assignment (5%) due following week Study Designs (RCTs, Cohort etc)</td>
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<td>Sept 28</td>
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<td>QUIZ – Nuts and Bolts of Research (5%)</td>
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<td>Evidence in the Literature</td>
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<td>Guidelines for Therapy Projects(Abstract Screening)</td>
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<td>Oct 5</td>
<td>4</td>
<td>Marissa Mitchell - Literature Searching Strategies (Taylor Lib)</td>
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<td>Fibromyalgia and Pool Therapy (Making Sense of Literature)</td>
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<td>Oct 12</td>
<td>5</td>
<td>Presentation A – Therapy (20%)</td>
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<td>Oct 19</td>
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<td>Presentation B – Therapy (20%)</td>
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<td>Oct 26</td>
<td>7</td>
<td>Outcome Measures/Professional Communication Diagnose</td>
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<td>Nov 2</td>
<td>8</td>
<td>Diagnosis</td>
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<td>Guidelines for Diagnosis Projects</td>
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<td>Nov 9</td>
<td>9</td>
<td>Therapy and Harm</td>
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<td>Nov 16</td>
<td>10</td>
<td>Prognosis</td>
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<td>Nov 23</td>
<td>11</td>
<td>Presentations A – Diagnosis (20%)</td>
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<td>Nov 30</td>
<td>12</td>
<td>Presentations B – Diagnosis (20%)</td>
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<td>Dec</td>
<td>13</td>
<td>FINAL EXAM (40%)</td>
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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/board/code.pdf.

English Proficiency for the Assignment of Grades


Accommodation for Medical Illness or Non-Medical Absences

http://www.uwo.ca/univsec/handbook/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 following website: https://studentservices.uwo.ca/secure/index.cfm.

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.

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/handbook/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.

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. Ombuds Office -- http://www.uwo.ca/ombuds/