

THE UNIVERSITY OF WESTERN ONTARIO
LONDON CANADA

Faculty of Health Science
Special Topics in Musculoskeletal Disorders in Rehabilitation-3091b

1.0 CALENDAR DESCRIPTION

2.0 COURSE INFORMATION

Lecturer Peter Theodosopoulos, MSc., DPT (Physical Therapy)
ptheodo@uwo.ca

Office Hours: By appointment

Course Website: <https://webct.uwo.ca>

Times and Location of Lectures: HSB-35
7:00-10:00pm

3.0 TEXTBOOK TBD

4.0 COURSE DESCRIPTION

An introductory course in the area of musculoskeletal disorders is encountered in sport and in the workplace. Materials covered include the mechanisms of injury, tissue biomechanics, pathology, assessment, treatment and prevention of acute and chronic trauma. Current evidence based practices in diagnostic testing and treatment options will be addressed. Topics will include injuries in both upper and lower extremities, spinal pathologies and workplace prevention. Problem solving and critical inquiry will be addressed through various case reviews and simulations.

The course is offered in **lecture/seminar format** (3 hour/week)

Prerequisites: Specialization in Rehabilitation Science

Upon completion of this course, the student will be able to:

1. Demonstrate a working clinical knowledge of the anatomy, biomechanics and pathomechanics of the spine and extremities as they relate to the musculoskeletal system
2. Demonstrate an understanding of the mechanisms of injury and disease and identify various conditions and disease processes seen in the rehabilitation setting.
3. Demonstrate an understanding of current evidence based musculoskeletal diagnostic tests and assessments, including, but not limited to CT, MRI, EMG, and X-ray
4. Demonstrate a working knowledge of current evidence based musculoskeletal treatment procedures and protocols
5. Identify barriers to rehabilitation and consider alternative methods of evaluation and treatment
6. Identify common workplace injuries and management strategies in rehabilitation

5.0 EVALUATION:

Presentation	10%
Participation	5%
Midterm	40%
Final Exam	45%

Grade Distribution

A=80-100
B=70-79
C=60-69
D=50-59
E = Below 50

6.0 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).

7.0 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.

DATE	WEEK	TOPIC
Jan 5	1	Course Introduction What are Musculoskeletal Disorders
Jan 12	2	Soft-tissue Injury: Tendon and Ligament
Jan 19	3	Soft-tissue Injury: Peripheral Nerves and Muscle
Jan 26	4	Neck/Shoulder
Feb 2	5	Elbow
Feb 9	6	Wrist/Hand/Finger (J.Pipicelli – OT – St. Josephs/HULC)
Feb 16	7	MIDTERM (40%)
Feb 23	8	READING WEEK
Mar 2	9	Low Back
Mar 9	10	Hip/Knee (A. Boulougaris – PT-Fowler Kennedy)
Mar 16	11	Ankle/Foot (D. Boundikas – Pedorthist)
Mar 23	12	Group Presentations (10%)
Mar 30	13	Group Presentations
Apr 6	14	Group Presentations
April		FINAL EXAM (45%)

8.0 POLICY REGARDING ILLNESS

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.

Documentation shall be submitted, as soon as possible, to the appropriate Dean's office (the Office of the Dean of the student's Faculty of registration/home Faculty) together with a request for relief specifying the nature of the accommodation being requested. These documents will be retained in the student's file, and will be held in confidence in accordance with the University's Official Student Record Information Privacy Policy. Once the petition and supporting documents have been received and assessed, appropriate academic accommodation shall be determined by the Dean's Office in consultation with the student's instructor(s). Academic accommodation may include extension of deadlines, waiver of attendance requirements for classes/labs/tutorials, arranging Special Exams or Incompletes, re-weighting course requirements, or granting late withdrawals without academic penalty. Academic accommodation shall be granted only where the documentation indicates that the onset, duration and severity of the illness are such that the student could not reasonably be expected to complete his/her academic responsibilities. (Note – it will not be sufficient to provide documentation indicating simply that the student "was seen for a medical reason" or "was ill.") 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.

For further information, please review the link below.

http://www.uwo.ca/univsec/handbook/appeals/accommodation_medical.pdf

9.0 POLICY ON CHEATING & ACADEMIC MISCONDUCT

Students are responsible for understanding the nature of and avoiding the occurrence of plagiarism and other academic offenses. Students are urged to read the section on Scholastic Offenses in the Academic Calendar. Note that such offenses include plagiarism, cheating on an examination, submitting false or fraudulent assignments or credentials, impersonating a candidate, or submitting for credit in any course without the knowledge and approval of the instructor to whom it is submitted, any academic work for which credit has previously been obtained or is being sought in another course in the University or elsewhere. In writing scholarly papers, students must keep firmly in mind the need to avoid plagiarism. Students must write their essays and 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.

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>

PLAGIARISM AND CHEATING ARE SERIOUS SCHOLASTIC OFFENCES

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>).

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.

The penalties for a student guilty of a scholastic offense include refusal of a passing grade in the assignment, refusal of a passing grade in the course, suspension from the University, and expulsion from the University.

10.0 PROCEDURES FOR APPEALING ACADEMIC EVALUATIONS

In the first instance, all appeals of a grade must be made to the course instructor (informal consultation). If the student is not satisfied with the decision of the course instructor, a written appeal must be sent to the Department Chair. If the response of the department is considered unsatisfactory to the student, he/she may then appeal to the Dean of the Faculty in which the course of program was taken. Only after receiving a final decision from the Dean, may a student appeal to the Senate Review Board Academic. A Guide to Appeals is available from the Ombudsperson's Office.

11.0 Use of Electronic Devices:

You are not allowed to have a cell phone, or any other electronic device, with you during tests or examinations.