



**University of Toronto, Department of Physical Therapy and
Orthopedic Division of the CPA
*Presents***

***Introduction to Clinical Research to Support
Evidence-Based Practice in Manual Therapy
Fall 2012 – Winter 2013***

OVERVIEW

This course will introduce learners to concepts that will enhance their ability to integrate evidence in the practice of manual therapy. Course content and assignments will facilitate the acquisition of knowledge, skills and behaviours that support the application of research evidence in the clinical setting. This course is relevant to clinicians and educators who are currently practicing or have previous experience in manual therapy. The material is aimed at clinicians who have not previously completed a masters or PhD degree.

LEARNING OBJECTIVES*

At the completion of this course, participants will be able to:

- Demonstrate an understanding of research evidence as applied to their manual therapy practice
 - Search, appraise and apply research evidence to the practice of manual therapy
 - Demonstrate an understanding of the factors that influence research use in their practice setting
 - Apply specific strategies to improve integration of research evidence in their practice
- (*Each Module has specific objectives)

FORMAT

- This 10 week course is organized around 10 modules that each cover a topic relevant to research such as research questions and designs and critical appraisal of articles relevant to manual therapy
- Course material will be available on Blackboard, an online portal to which enrolled students are given access, and notifications about class material/activities will be also be communicated using Blackboard.
- Participants will be provided with required readings and PowerPoint lecture notes for each module. After completing the readings, participants will participate in a discussion on the weekly topic by respond the questions on the BlackBoard web site and replying/commenting on at least one of the postings of a fellow participant. Online discussions will also be hosted on Blackboard.
- Students can access the readings and complete the postings at any time during the week dedicated to that topic. There are no set class hours
- Access to online journals will be provided by the University of Toronto Libraries for the duration of the course
- Instructors will be available for Skype office hours (hours TBA)
- Course instruction will be provided by University of Toronto faculty and instructors from the National Orthopaedic Division of the Canadian Physiotherapy Association
- Course participants are expected to dedicate approximately 5-8 hours per week to this course

TOPICS

Dates to Post and Respond to Postings	Module	Content Topics
Nov 19-Nov 25, 2012	1	Overview and Defining EBP
Nov 26 – Dec 2, 2012	2	Defining Questions and Searching
Dec 3 – Dec 9, 2012	3	Research designs
Dec 10 – Dec 16, 2012	4	Critical Appraisal A
Break	Break	Break
Jan 7- Jan 13, 2013	5	Critical Appraisal B –Measurement Outcomes
Jan 14 – Jan 20, 2013	6	Qualitative - <i>Critical Appraisal Due</i>
Jan 21 – Jan 27, 2013	7	Dx and Screening Tests
Jan 28 – Feb 3, 2013	8	Clinical Prediction Rules
Feb 4 – Feb 10, 2013	9	Meta-analysis - <i>Final Assignment Due</i>
Feb 11 – Feb 17, 2013	10	CPGs and KT and Wrap-up

EVALUATION -Pass/Fail. A Continuing Education Certificate is presented to students who complete the course

Online discussions (25% of final grade)

- Ten weekly asynchronous online discussions will take place during the course, each spanning 1-week in duration.
- Discussions will be based on course material and will be facilitated by one of course instructors.
- Participants will be graded on the quantity and quality of their contributions to the online discussions including their comments and responses to other participant postings

Individual course assignments

Assignment #1 – Critical appraisal (due January 15th, 2013) (25% of final grade)

- The purpose of this assignment is to develop critical appraisal skills through a systematic examination of one research article which will be provided. Course participants will work in small groups of 2-3 and complete the appraisal using the template which will be provided. One component of the assignment will be to give feedback to another group about their appraisal. This assignment is worth 50% of your final grade

Assignment #2 – Review Article for CAMPT (50% of grade)

(Draft due Feb 3rd; Final copy due Feb 10th, 2013)

Participants will complete a review article using the CAMPT web site research review format. The purpose of this assignment is to further develop skills in critical appraisal and writing to disseminate research evidence and its application to practice. A component of the assignments will be to provide feedback to another student about their paper.

- This assignment is worth 50% of your final grade

CAMPT web site research review format:

- Reviewer: Your name and practice location
- Study Title: Title of article
- Authors: Names of all authors
- Author's Affiliations: As stated in the article's front page
- Publication Information: Journal name, Issue, Number, Pages
- Background Information: Brief background statement of the topic being investigated
- Study Methods: Summary of the methods and statistical analysis used
- Study Strengths/Weaknesses: An honest critique of the methods, statistics and conclusions
- Pertinent Results: Summary of outcomes
- Clinical Application & Conclusions: What does this mean to the clinician?
- Additional References: Other papers that discuss the topic that would be of interest
- Suggested length of review is 250-500 words
- Please submit using MS word (.doc or .docx format)

Academic Integrity:

It is the responsibility of students to familiarize themselves with the University of Toronto policy on academic integrity available for review online. Students are required to adhere to the policy. Breaches of the policy, whether through neglect or intentional, are subject to penalties. Code of Behavior on Academic Matters (U of T)
<http://www.vicerevoststudents.utoronto.ca/publicationsandpolicies/academicintegrity.htm>

FACULTY:

COURSE CO-ORDINATION

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FACULTY INSTRUCTORS

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FOR INFORMATION OR TO REGISTER:

EMAIL: pt.reception@utoronto.ca
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FEE: \$200 (before October 30, 2012) for registered Instructors in CPA Ortho Division (registration site opens Sept 21st, 2012). The Fall-Winter 2012-2013 is subsidized by the Orthopedic Division of the CPA and the University of Toronto, Department of Physical Therapy.