



COURSE SYLLABUS: Research Project

a. Course Title and Number:

FMDT004: Research Project

b. Course Description:

This course will involve collection of data, interpretation of results, and/or analysis of a research question. The outcome product of the course may be a thorough review of the literature or meta-analysis, case study, case series, or involvement in a study that is suitable for publication or professional presentation.

c. Program offering the course: McKenzie Institute USA OMPT Fellowship Program

d. Hours: 60

e. Course Instructors:

Ron Schenk, PT, PhD, DPT, OCS, FAAOMPT, Dip. MDT (Ronald.schenk@tufts.edu)

f. Clock hours: 60 (including completion of pre and post-course assignments)

g. Course prerequisites: None

h. Course Objectives: At the conclusion of the course the student will be able to:

- 1) Demonstrate competence in actively engaging in a research study with respect to
 - a) research questions and hypotheses
 - b) study population and sampling methods
 - c) description and selection of the independent and dependent variables
 - d) limitations of the study
 - e) methods of data collection
 - f) appropriateness of the statistical model used for data analysis
 - g) importance of the study in relation to the broader literature
- 2) Synthesize patient information to develop and complete a case study related to OMPT to be submitted to a peer reviewed journal or presented at a professional conference.
- 3) Evaluate multiple sources to develop a thorough review of the literature demonstrating scientific writing in the format of a peer reviewed physical therapy journal.

i. Outline of content:

Following identification of a research mentor, the Fellow in training will participate in an ongoing research study, develop a case study relevant to OMPT to be submitted to a peer-reviewed journal, or complete a thorough review of the literature. It is expected that this project will be submitted to a peer review journal and/or presented as a poster or platform presentation at a professional conference.

j. Description of teaching methods and learning experiences:

Faculty will mentor Fellows in training in the completion of a project. The Program Director will provide feedback to the Fellow in training in completion of the activity.

k. Evaluation of student learning:

Project completion 100%

TOTAL = 100%

Grading Guidelines are as follows:

94-100%	A	75-79%	C+
90-93%	A-	70-74%	C-
87-89%	B+	60-69%	D
84-86%	B	below 60%	F
80-83%	B		

- A grade of B is considered successful pass for the course.



I. Required Texts/Media:

Required literature references can be accessed through the Tufts University Library Website.

<https://hirshlibrary.tufts.edu>

Use Quick Links: Resources by Subject

Additional current references will be provided prior to the course.

m. Disability Statement:

Any student who has a documented disability should meet with the course instructor during office hours to discuss ways to arrange accommodations in order to complete the requirements and expectations of this course