

McKenzie Institute USA OMPT Fellowship Program
RESEARCH PROJECT COURSE

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.

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
- 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.

Hours: 30 hours including completion of pre- and post-course assignments.

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.

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 presented as a poster or platform presentation at a professional conference.

Required literature references and additional current references will be provided prior to the course.