

## TSP-I 05: Introduction to Quantitative Health Professions Educational Research

The goal of the course is to introduce applied research methods and hands-on techniques for designing and conducting a quantitative research study.

Director: Dr Carol Hodgson, PhD

### Course Objectives

- By the end of the course, students will be able to...
  - Develop one or more research questions or hypotheses for a quantitative research study based on an available educational dataset;
  - Write a 100-word abstract describing their study;
  - Write a short background and significance section for their study;
  - Write the methods section for their study;
  - Conduct statistical tests and interpret the statistical output for their study;
  - Summarize their statistical results and write the results section for their study;
  - Write the conclusions/summary section for their study.

Sessions	Topics
1.	Introductions Course Overview / Research Ethics
2.	Discuss Canadian Graduation Questionnaire
3.	Research Questions & Hypotheses
4.	Quantitative Data / Methods
5.	Interpreting Data Analysis Output
6.	Conducting statistical tests
7.	Conducting statistical tests
8.	Interpreting <b>your</b> statistical results
9.	Discussing <b>your</b> results
10.	Creating a poster
11.	Overview of survey development
12.	In-class presentations

