

Course description:

This course will assist students to prepare, conduct, and to write-up a systematic review and/or meta-analysis for a M.Sc. or PhD thesis, encompassing the entire research synthesis process, namely:

Developing a problem statement and specifying research questions / hypotheses for a systematic review / meta-analysis;

Data collection (systematic retrieval and selection of studies);

Data extraction, coding, and unifying effect sizes;

Analysis and interpretation;

Reporting / writing a thesis encompassing a systematic review / meta-analysis.

Special emphasis will be on the analysis procedure (4) using R packages (esp. metafor:

<http://www.metafor-project.org> ).