

# Systematic Review and Meta-Analysis

## *The Art of Synthesizing Research*

An Advanced Research Methodology Study Group presented by the University of Maryland Baltimore County College of Arts and Humanities, and Social Sciences, Department of Education



Led by Dr. Chris Rakes

### Description

- The synthesis of results of multiple studies provides **more compelling evidence** than results of any single study.
- Systematic Review is a process that **maximizes the reliability and internal, external, and construct validity** of research synthesis findings.
- Meta-Analysis is a statistical process of **comparing and contrasting results** from multiple studies, usually by computing and analyzing effect sizes.

### Objectives of the Study Group

Participants will

- understand the process of conducting a systematic review and meta-analysis.
- identify and critique a systematic review and meta-analysis in their fields.
- plan and conduct a systematic review and meta-analysis of research in their fields.
- work independently and collaboratively to write a manuscript based on their systematic review and meta-analysis.
  - learn and practice scholarly writing conventions for their fields (e.g., APA, Chicago Style, MLA)
  - provide peer review of other participants' studies.

**Where?** Sherman Hall A, Room 422 (Language, Literacy, & Culture Conference Room)

**When?** Fridays 10:30 AM to 12:30 PM, First Session is February 14.

**Can I Get Course Credit?** Yes! Independent Study is Available Optionally.

**Other Questions?** Contact Dr. Rakes at [rakes@umbc.edu](mailto:rakes@umbc.edu)

**Don't Miss this Opportunity to Enhance Your Research and Writing Skills in a Supportive Environment!!!**