

# ZOO 955: RESEARCH SYNTHESIS FOR AQUATIC SCIENCE

Spring 2022 | *Tuesday Afternoons* | Hasler Lab Conference Room

**COURSE DESCRIPTION:** Research synthesis can be a powerful tool for pushing a scientific field forward. The objective of scientific synthesis (e.g., meta-analysis, systematic reviews) is to develop new knowledge by integrating previously published results, increasing the generality and applicability of those findings and defining new research directions. In this hands-on course we will explore the methods and tools of research synthesis through readings, discussion, and working in teams to complete a research synthesis. The synthesis will be on a small, *discrete* topic in aquatic science. The goal is for each team to have a near-publishable synthesis product by the end of the semester on a topic in the aquatic sciences.

## INSTRUCTOR

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## TEXTBOOK

Cooper et al. (2019) *The Handbook of Research Synthesis and Meta-Analysis*  
Third edition  
**Free PDF through Project Muse**

