



SUMMER 2022

# ENGR 590: GRADUATE RESEARCH METHODS

**Class # 10178**

TuTh 2:00 p.m. - 4:00 p.m.  
Upton II, Room 219

**Class # 10179**

Asynchronous

**Prerequisites:** Enrolled CEM graduate student  
or instructor approval for undergraduates

**Instructor:** Dr. Anna Crowell, College of  
Engineering & Mines

After successfully completing this course,  
you should be able to:

- Understand proper journal article evaluation
- Identify and avoid plagiarism
- Structure a thesis/dissertation or journal article
- Write a literature review
- Professionally deliver oral presentations
- Choose appropriate references
- Mine information from a journal article
- Formulate a hypothesis
- Synthesize conclusions
- Design an experiment



## Course Description & Objectives

The goal of this class is to guide graduate students through the research process, from choosing a project to either writing a literature review for their thesis/dissertation or producing a paper for submission to a peer-reviewed journal.