

AME 48491 Undergraduate Research

Credits: Variable from 1 to 3.

Course Objectives: The purpose of the undergraduate research is to gain experience with all aspects of engineering research, including literature search, problem analysis and statement, problem solution (analytical/computational/experimental), and the written and oral communication of results.

Course requirements: Individual course requirements will be agreed upon between the student and supervising faculty member at the beginning of the semester. In addition, each student will be required to individually present the results of his or her research at an undergraduate research conference (URC). Submission of a two-page extended abstract (with figures) is required two weeks prior to the conference. Students unable to present at the URC will require a petition from their supervising faculty to the director of undergraduate studies. Students enrolled for one credit or being paid for research are not required to present or submit an abstract, but are welcome to do so.

Preparation of the extended abstract and participation in the research conference are the minimum requirements for the course, and the student should consult with their faculty advisor to ascertain any additional requirements.

URC details:

The URC will be held during one of the “reading days” at the end of each semester. Students will be informed of the date/time for the URC during the semester.

Submission of a two-page extended abstract is required two weeks prior to the conference.

Each presentation will last 15 minutes. (10 minute presentation, 3 minute questions, 2 minute transition)