

CE 499: Undergraduate Research Thesis in Civil, Construction, and Environmental Engineering Research Contract

Student Name: _____

Student ID No.: _____

Unity ID: _____

Major (CE, CON, ENE): _____

Overall GPA: _____ Major GPA: _____

Research Advisor: _____

Research Committee Member: _____

Title of Research Project: _____

Check all that apply: Graded OR S/U (cannot be applied toward degree requirements)

No. of credit hours: 3 OR 1 + 2 Semester(s): _____

This form must be completed by CCEE students that intend to enroll in CE 499. This form should be completed by both the student and the CCEE faculty member serving as the research advisor. The information provided in this form will be used by the CCEE Undergraduate Programs Office to evaluate whether the proposed research study contains engineering topics necessary to fulfill a technical elective requirement. Engineering topics include instruction in engineering analysis, engineering design, experience in the scientific method, technical writing, etc. By signing this form the CCEE research advisor indicates their availability and commitment to mentor the student and supervise the research project.

It is expected that the student will complete on average three hours of independent research each week of the semester per credit hour enrolled in that semester. Assessment of the research project should follow the time-line and grading provided in the attached rubric. The student must summarize the research findings in the form of an Undergraduate Research Thesis in accordance with the template provided. The weight of the undergraduate thesis towards the final grade is to be confirmed by the research advisor and may be split between the thesis and a presentation at the NC State Undergraduate Research Symposium, or other similar venue.

Return the completed form to the CCEE Undergraduate Programs Office in MN203 for evaluation.

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1. Student: On an attached page, write a detailed description of the planned project. Clearly explain:
 - Engineering content, e.g. a device will be built, modeling analysis will be performed, data will be compared to an analytical solution developed by the student, forces will be analyzed, etc. Include the course number(s) that provides the required assumed knowledge, e.g. CE 383, CE 327, ...
 - Responsibilities of the research advisor and of the student
 - List of tasks to be completed by the student
 - Any tools, devices or processes that the student will develop
 2. Research Advisor: Provide a description below of the basis for evaluating the work if you have anything required beyond what is detailed in the CE 499 rubric. Also describe the research schedule if the student intends to enroll in a summer session.

Student's Signature: _____ **Date:** _____

Advisor's Signature: _____ **Date:** _____

To be completed by the CCEE Undergraduate Programs Office

This research project contains engineering topics required for technical electives: **YES** _____ **NO** _____

Comments:

Approver's Signature: _____ **Date:** _____