

From: [Xiaoyun Shao](#)
To: [Decker Bradley Hains](#)
Cc: [Holly Blanks](#)
Subject: Curriculum Course Request Change Course CCE 4850 - A-2020-CCE-13; effective term: 202140
Date: Monday, October 12, 2020 8:50:48 AM

Please verify your data for New Curriculum Course Request for department: CCE; college: A.
Go to the following URL to complete your worklist items: <https://bwfp1.cc.wmich.edu:7102/wfbprod>

Date of request: 07-OCT-2020

Request ID: A-2020-CCE-13

College: A

Department: CCE

Initiator name: Decker Hains

Initiator email: decker.hains@wmich.edu

Proposed effective term: 202140

Does course need General Education approval?: N

Will course be used in teacher education?: N

If 5000 level course, prerequisites apply to: U

Proposed course data:

Change Course CCE 4850

Specific Course Change type selected: Title

1. Existing course prefix and number:
CCE 4850

2. Proposed course title:
CCE Senior Design Project

3. Existing Banner course title:
Senior Project

4. Proposed course title to be entered in Banner:
CCE Senior Design Project

A. Please choose Yes or No to indicate if this class is a Teacher Education class:
No

B. Please choose the applicable class level:
Undergraduate

C. Please respond Yes if this is a current general education course and/or a course being submitted for the new WMU Essential Studies program. Please respond No if it is neither.

No

D. Explain briefly and clearly the proposed improvement.

Title change.

E. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.)

More descriptive course title in line with other senior design projects in other programs in CEAS.

F. List the student learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program.

- Apply civil engineering theories and principles to project design.
- Apply construction engineering and management principles to project construction.
- Explain professional and ethical issues in engineering practice.
- Develop a working knowledge of the civil and construction engineering professional working environment.
- Apply ethical, critical, and informed thought within and across disciplines. (WMU Essential Studies SLO)
- Develop practices for planetary sustainability. (WMU Essential Studies SLO)
- Demonstrate effective and appropriate written communication. (WMU Essential Studies SLO)

G. Describe how this curriculum change is a response to student learning assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities.

It's not.

H. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one.

None.

I. Effect on your department's programs. Show how the proposed change fits with other departmental offerings.

No effect.

J. Effects on enrolled students: are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale.

No effect.

K. Student or external market demand. What is your anticipated student audience? What evidence of student or market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?

Not applicable

L. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.)

None. Title change only.

M. With the change from General Education to WMU Essential Studies, this question is no longer used.

For courses requesting approval as a WMU Essential Studies course, a syllabus identifying the student learning outcomes and an action plan for assessing the student learning outcomes must be attached in the Banner Workflow system.

Not Applicable

N. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section.

No effect.

O. Current catalog copy:

This capstone senior design course features open-ended team projects involving design, analysis, and application which results in a written design report and a professional presentation. Students are expected to draw on knowledge from numerous courses within engineering as well as their broad-based undergraduate education to effectively engage and interact with stakeholders to solve real world engineering problems. This course emphasizes the role of professional and ethical conduct and the significance of sustainability in the civil and construction engineering industry. This course is designed to facilitate the student's transition to working within the practice of the civil and construction engineering profession. This course satisfies WMU Essential Studies Level 3: Connections – Local and National Perspectives Category.

P. Proposed catalog copy:

This capstone senior design course features open-ended team projects involving design, analysis, and application which results in a written design report and a professional presentation. Students are expected to draw on knowledge from numerous courses within engineering as well as their broad-based undergraduate education to effectively engage and interact with stakeholders to solve real world engineering problems. This course emphasizes the role of professional and ethical conduct and the significance of sustainability in the civil and construction engineering industry. This course is designed to facilitate the student's transition to working within the practice of the civil and construction engineering profession. This course satisfies WMU Essential Studies Level 3: Connections – Local and National Perspectives Category.

NOTE:NO CHANGE TO DESCRIPTION. Title change ONLY.

Department Curriculum Chair approver: Xiaoyun Shao

Department Curriculum Chair comment:

Date: 12-OCT-2020

Department approver: Xiaoyun Shao

Chair comment:

Date: 12-OCT-2020