

CEE - 681 - Sustainable Construction for Infrastructure Projects

2 Graduate Course Create 2021-22

I. Course Information

The faculty member originating this proposal is to complete sections I,II, III, and IV.

TURN ON help text before starting this proposal by clicking  in the top right corner of the heading.

You will need to turn on help text again after any actions that refresh the page including after saving proposals, importing information, or running impact reports.

FILL IN ONLY fields required marked with an *. You will not be able to launch the proposal without completing the required fields.

Department*

Civil and Environmental Engineering and Construction

Prefix:*

CEE

Number:* 681

Is a new Prefix being suggested?*

Yes

No

Suggested Prefix

Long Course Name:* Sustainable Construction for Infrastructure Projects

Short Course Name* Sustainable Construction

Tip: 25 characters max. for short name (abbreviations are acceptable if needed)

Tips

avoid the use of the words *student*, *course*, and *covers*

incomplete sentences are ok

avoid repeating the course title

(50 words max)

Catalog Description*

Investigates the regulatory, social, environmental and economic impacts of sustainable planning, design and construction of civil engineering projects. Detailed analysis of supply-side sustainable renewable energy generation and demand-side design and construction systems in the context of urban, regional, local and corporate policy. Crosslisted with CEE 481, CEM 480, CEM 680.

Is this course a culminating experience?*

Yes No

If Yes, to which programs?**First Term Course Offered***

Fall 2021

Explanation for Course Create*

This course will be taken by PhD and MSE civil engineering students. The cross listed course CEE 481 will be taken by undergraduate civil engineering students. CEM 481 will be taken by undergraduate CM students and CEM 681 will be taken by MSCM students.

Are you adding a Service-Learning designation to this course?*

Yes No

If the Service-Learning designation is being added to this course:

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms www.unlv.edu/policies). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Please attach a current syllabus by navigating to the Proposal Toolbox and clicking  in the top right corner.

Information about Service-Learning is available [here](#). Faculty can visit the [faculty Service-Learning page](#) as well as the [UNLV Guide for Service Learning](#) for additional information.

If adding Service-Learning designation, syllabus is attached

Attached

II. Catalog Information

Will this be an experimental (x) course? * Yes No

Has this course number been used previously as an Experimental (X) course? Yes No

If yes, X-Course Prefix

X-Course Code

Program(s) impacted by this new course * None. This course can be elective course for Graduate students majoring in civil engineering.

Tip (note): A Program Change form will need to be submitted to add the new course into a program.

Detail the changes to the program catalog entry required due to the creation of this course. * There won't be change in PhD and MSE catalogs.

Fixed/Variable Credits * Fixed Variable

If fixed, enter number of credits. If variable, enter minimum and maximum credits (E.g., 1-3)

Number of Credits 3

Course is Repeatable * Yes No

If yes, the maximum number of credits that may be earned is

Grading System * Letter Grade S/U Thesis/Dissertation

Is this a Special Topics course? * Yes No

Sub-topic(s)

Are topics repeatable? Yes No

If yes, number of credits

Prerequisites CEEC Graduate standing

Corequisites

Does this course have any non-credit components? Yes No

- If yes, indicate component(s)
- Clinical
 - Discussion
 - Field Studies
 - Independent Study
 - Internship
 - Laboratory
 - Lecture
 - Practicum
 - Research
 - Seminar
 - Supervision
 - Thesis Research

CROSS-LISTING / Same As, will this course be:*

- Same As=Undergraduate: same content and same career (UG/UG). Graduate: Same/similar course content and same career (Grad/Grad)
- Cross-listing= Cross-listed courses contain the same or similar content and may be in different programs (eg., WMST 497 & SOC 497) or different careers (e.g., BIOL 467 & BIOL 667 or PSC 722 & PHIL 728)
- Not Cross-Listed or Same As

If yes, list the course CEE 481, CEM 480, CEM 680

If yes, please include below the rationale for crosslisting, answering to the following questions:

- 1) What aspect of graduate preparation is met via this course that goes beyond the undergraduate program?
- 2) What common aspects are offered in the crosslistings and what grad level pieces are not?
- 3) What would be beneficial in offering the crosslisted courses from a graduate education perspective?

Crosslisting Rationale:

1. The graduate level students are required to submit a paper assigned by the instructor.
2. All the topics are similar for these cross listed courses, however for the graduate level course, the students need to complete a paper.
3. These cross listed courses will help those graduate students who have not taken an undergraduate level course in this area.

Indicate the instructional modes that should be available for scheduling*

- In Person Supplemental Web
- Field Study
- Hybrid
- Independent Study
- Television
- Web-based
- Web-based w/ on/off campus meeting

Differential fees required for this course? (if yes, please clarify on explanation field above)

- Yes No

III. Evaluation of Library Resources

A. This section is completed by the faculty member originating this proposal—indicate library resources that will be needed to support this course

Will this course creation require changes to library resources?*

- Yes No

Please indicate library resources that will be needed to support students taking this course

- Core journals
- Core books (not required texts)
- Electronic resources (e.g., databases, videos, media, etc.)
- New Option

Critically needed journals for this subject area:

Core books needed:

Electronic Resources:

3. LAUNCH proposal by clicking  in the top left corner.

4. Finish the launch of your proposal by clicking the icon  located in the Proposal Toolbox on left side at top. Make your decision, comment is optional, and click on "Make decision".

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

B. This section is completed by the librarian.

Level of support the
Library can provide

Library Comments

IV. Syllabus

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms <https://www.unlv.edu/policies/current-policies>). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Attachments List


Please attach any required files by navigating to the Proposal Toolbox and clicking  in the top right corner.

Attached syllabus* Attached

V. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information.
3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted
on proposal 1/26/2021


Result of vote 16/16
(Number of
yes/no/abstention
votes)

Manner of vote in-person
(online, in-person,
etc.)

VI. Unit Vote Information

Note: This section is to be filled out by the College Committee Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information.
3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted 3/24/2021
on proposal

Result of vote 4/0/0
(Number of
yes/no/abstention
votes)

Manner of vote online
(online, in-person,
etc.)

VIII. Processing Notes (Graduate College/Registrar Use Only)

PS Processing Notes

PS Processing Date

Initials

**Aalog Processing
Notes**

**Aalog Processing
Date**

Initials

Comments for CEE - 681 - Sustainable Construction for Infrastructure Projects

Curriculog	4/22/2021 10:31 am Reply
Emily Lin has approved this proposal on Graduate College Dean.	
Curriculog	4/21/2021 10:30 am Reply
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 4-14-2021 for more information.	
Curriculog	4/20/2021 9:19 am Reply
Graduate Curriculum has approved this proposal on Graduate Course Review Committee.	
Curriculog	3/24/2021 4:26 pm Reply
Mohamed Trabia has approved this proposal on School/College Associate Dean/ Dean.	
Melissa Morris	3/24/2021 3:08 pm Reply
The college committee unanimously approves this proposal.	
Curriculog	3/24/2021 3:08 pm Reply
Melissa Morris has approved this proposal on School/College Committee.	
Curriculog	3/24/2021 8:27 am Reply
CEEC Chair has approved this proposal on Department Chair.	
Curriculog	3/23/2021 1:35 pm Reply
CEEC Graduate Coordinator has approved this proposal on Graduate Coordinator.	
Curriculog	3/23/2021 9:36 am Reply
Graduate Curriculum has approved this proposal on Technical Review.	
CEEC Graduate Coordinator	3/17/2021 9:44 am Reply
All the corrections have been made as per Technical Review Committee's comments.	
Curriculog	3/17/2021 9:44 am Reply

CEEC Graduate Coordinator has approved this proposal on Originator.

Graduate Curriculum

3/16/2021 10:26 am [Reply](#)

- moving back for further edits, email communication with proposer.

Curriculog

3/16/2021 10:26 am [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog

3/14/2021 8:33 pm [Reply](#)

CEEC Graduate Coordinator has approved this proposal on Originator.

Curriculog

3/13/2021 12:56 pm [Reply](#)

CEEC Graduate Coordinator has launched this proposal.