


CEM - 720 - Information and Sensing Technology in Construction

2 Graduate Course Create 2019-20


I. Course Information


****Read before you begin****

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.

FILL IN all fields, including all required fields (marked with an *). You will not be able to launch the proposal without completing required fields.

LAUNCH proposal by clicking  in the top left corner.

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.

College/ Department*	Civil and Environmental Engineering and Construction		
Prefix:*	CEM	Number:*	720
Is a new Prefix being suggested?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Suggested Prefix			
Long Course Name:*	Information and Sensing Technology in Construction		
Short Course Name*	Technology in Construction		

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*

State-of-the-art technology and its potential and current use in construction research. Industrial efforts in developing and improving various aspects of construction operation and management.

First Term Course Offered*

Spring 2019

Explanation for Course Create*

Currently, we offer this class under the class title of CEE 720. However, we also have a number of students from the construction engineering management (CEM) program who want to take this course. So, we would like to propose this same course for CEM students and want to offer this course cross-listed with CEE 720.

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*

Master of Science - Construction Management (M.S., Construction Management)

Substantive changes will necessitate a Program Change form be submitted.

Detail the changes to the program catalog entry required due to the creation of this course.*

Currently, we offer this class under the class title of CEE 720. However, we also have a number of students from the construction engineering management (CEM) program who want to take this course. So, we would like to propose this same course for CEM students and want to offer this course cross-listed with CEE 720.

Fixed/Variable Credits* Fixed Variable New Option

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
 S/F
 Thesis/Dissertation

Is this a Special Topics course?* Yes No

Sub-topic(s)

Are topics repeatable? Yes No

If yes, number of credits

Prerequisites Admission into Master of Science in Engineering - Civil and Environmental Engineering, Master of Science - Construction Management, Master of Science in Transportation, or Doctor of Philosophy - Civil and Environmental Engineering program.

Corequisites

Anti-requisites

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

Will this course be listed as the 'same as' another course? * Yes No

If yes, list the course CEE 720

Indicate the instructional modes that should be available for scheduling * In Person Supplemental Web Field Study Hybrid Independent Study In Person Television Web-based Web-based w/ on/off campus meeting

III. Evaluation of Library Resources

This section is completed by course developer—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.)

Critically needed journals for this subject area: Automation in Construction and ASCE Journal of Construction Engineering and Management

Core books needed:

Electronic Resources:

This section is completed by the librarian.

Level of support the Library can provide **Marginal**


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 <http://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.

Attachments List

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

Attached Attached
syllabus*

V. Department Vote Information

Date faculty voted on proposal September 18, 2018

Result of vote (Number of yes/no/abstention votes) 11 out of 20 faculty attended the department meeting and everybody voted for this new course

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

VI. Unit Vote Information

Date faculty voted on proposal

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

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

VIII. Implementation and Processing

**PS Processing
Notes**

**PS Processing
Date**

Initials

**Aalog Processing
Notes**

**Aalog
Processing Date**

Initials

Attachments for CEM - 720 - Information and Sensing Technology in Construction

CEE-CEM 720_syllabus.pdf (uploaded by Pramen Shrestha, 10/1/2018 11:04 am)

Comments for CEM - 720 - Information and Sensing Technology in Construction

Curriculog	11/2/2018 9:40 pm Reply
Hui Zhao has approved this proposal on Associate Dean for Graduate Studies/ Dean.	
Curriculog	11/2/2018 4:56 pm Reply
System Administrator Ashley Weckesser has restarted the Associate Dean for Graduate Studies/ Dean step as a result of participants being added to or removed from the step.	
Curriculog	11/2/2018 4:55 pm Reply
Hui Zhao was added to the Howard R. Hughes College of Engineering Associate Dean for Graduate Studies/ Dean role.	
Curriculog	11/2/2018 9:19 am Reply
Hui Zhao has approved this proposal on School/College Committee.	
Curriculog	10/23/2018 1:33 pm Reply
CEEC Chair has approved this proposal on Graduate Coordinator/Department Chair.	
Curriculog	10/23/2018 1:10 pm Reply
CEEC Graduate Coordinator has approved this proposal on Graduate Coordinator/Department Chair.	
Curriculog	10/22/2018 12:39 pm Reply
CEEC Chair has approved this proposal on Graduate Department Curriculum Committee.	
Ashley Weckesser	10/5/2018 1:08 pm Reply
Updated course description to match existing CEE 720 course description.	
Curriculog	10/5/2018 1:08 pm Reply
Ashley Weckesser has approved this proposal on Technical Review.	
Curriculog	10/2/2018 2:50 pm Reply
Debbi Vaughan was added to the Graduate Course Technical Review role.	
Curriculog	10/1/2018 3:45 pm Reply

System Administrator Ashley Weckesser has restarted the Technical Review step as a result of participants being added to or removed from the step.

Emily Lin

10/1/2018 12:52 pm [Reply](#)

No concerns.

Curriculog

10/1/2018 12:52 pm [Reply](#)

Emily Lin has approved this proposal on Technical Review.

Curriculog

10/1/2018 11:05 am [Reply](#)

Pramen Shrestha has approved this proposal on Originator.

Ashley Weckesser

10/1/2018 10:35 am [Reply](#)

Uploaded syllabus on behalf of the originator. See Dr. Lin's comment regarding prerequisites and clarify. Course description and title must be identical to existing CEE course.

Curriculog

10/1/2018 10:35 am [Reply](#)

Ashley Weckesser has rejected this proposal on Technical Review.

Emily Lin

9/25/2018 2:49 pm [Reply](#)

1. Need to include syllabus aligned to CEE 720.
2. Need to clarify whether the new course will have the same pre-requisites as CEE720.

Curriculog

9/25/2018 2:49 pm [Reply](#)

Emily Lin has rejected this proposal on Technical Review.

Curriculog

9/24/2018 11:09 am [Reply](#)

Pramen Shrestha has approved this proposal on Originator.

Curriculog

9/24/2018 11:08 am [Reply](#)

Pramen Shrestha has launched this proposal.