CM 210: SUSTAINABLE DESIGN AND CONSTRUCTION

In Workflow

1. CM Committee Chair (figgess@csus.edu)
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10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. 2026-10-01T20:39:40Z
   Gareth Figgess (figgess): Rollback to Initiator
2. 2026-10-02T17:57:35Z
   Gareth Figgess (figgess): Approved for CM Committee Chair
3. 2026-10-02T20:03:40Z
   Gareth Figgess (figgess): Approved for CM Chair
4. 2026-10-16T17:01:49Z
   Tongren Zhu (tongren.zhu): Approved for ECS College Committee Chair
5. 2026-10-16T17:04:18Z
   Behnam Arad (arad): Approved for ECS Dean

History

1. Jun 13, 2024 by Atefeh Mohammadpour (a.mohammadpour)

New Course Proposal

Date Submitted: 2026-10-01T21:02:49Z

Viewing: CM 210 : Sustainable Design and Construction

Formerly known as: CM 296A

Last approved: Thu, 13 Jun 2024 14:03:05 GMT

Last edit: 2026-10-26T23:43:58Z

Changes proposed by: Atefeh Mohammadpour (223019524)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Atefeh Mohammadpour	a.mohammadpour@csus.edu	(916) 278-7659

Catalog Title:
Sustainable Design and Construction

Class Schedule Title:
Sustainable Design and Const.

Academic Group: (College)
ECS - Engineering & Computer Science

Academic Organization: (Department)
Construction Management

Will this course be offered through the College of Continuing Education (CCE)?
No

Catalog Year Effective:
Fall 2027 (2027/2028 Catalog)

Subject Area: (prefix)
CM - Construction Management

Catalog Number: (course number)
210

Course ID: (For administrative use only.)
203887

Units:
3

Is the ONLY purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

In what term(s) will this course typically be offered?
Fall, Spring

Does this course require a room for its final exam?
Yes, final exam requires a room

This course complies with the credit hour policy:
Yes

Justification for course proposal:
This course is transitioning from an experimental offering to a permanent part of the curriculum in support of the upcoming M.S. in Construction Management program.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)
Provides a foundation in sustainable building concepts and design principles while giving students the opportunity to practice applying these principles to actual projects. Prepare the new generation of engineers to address complex societal problems and develop the vocabulary and skills to become proactive contributors to sustainable design and construction project teams. This course is designated as a Graduate Writing Intensive course and develops students' ability to read, research, analyze, and write within the construction management discipline.

Are one or more field trips required with this course?
Yes

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged Learning?
No

Does this course require safety training?
Yes

Does this course require personal protective equipment (PPE)?
Yes

Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)
This course requires personal protective equipment (PPE).

Does this course have prerequisites?
Yes

Prerequisite:
Graduate standing in Construction Management, or instructor permission.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
No Approval Required

Course Component(s) and Classification(s):
Seminar

Seminar Classification
CS#05 - Seminar (K-factor=1 WTU per unit)
Seminar Units
3

Is this a paired course?
No

Is this course crosslisted?
No

Can this course be repeated for credit?
No

Can the course be taken for credit more than once during the same term?
No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Analyze “sustainable” technologies including business practices, site design, water conservation, materials, energy measures, and indoor environmental quality strategies in buildings.	Technical exercises, reading responses, case-study analysis, and technical memorandum.
2	Assess multiple standards and guides for sustainable building, and examine lessons learned on sustainable projects through case studies.	Rating-system comparison memorandum and case-study analysis.
3	Evaluate principles of sustainability as they relate to sustainable design and construction (e.g., green design, LEED certification).	Discussions, reading responses, technical assignments, and research report.
4	Analyze social, environmental, global, cultural, and economic aspects of sustainable engineering decision-making.	Case studies, debates, technical memoranda, and research report.
5	Contribute to and participate in a debate on the economic, environmental, and social impacts of sustainable building policies, strategies, and technologies.	Structured debates, discussions, and participation activities.
6	Conduct research on detailed aspects of a chosen “sustainable” material or building technology.	Research proposal, annotated bibliography, draft, and report.
7	Analyze how buildings interact with the electric grid and calculate the potential benefits to the system.	Technical calculations, exercises, and applied research assignments.
8	Understand the major research and/or professional conventions, practices, and methods of inquiry of the discipline.	Research proposal, source evaluation, memoranda, and research report.
9	Understand the major formats, genres, and styles of writing used in the discipline.	Professional memoranda, case-study analysis, research report, and presentation.
10	Practice reading and writing within the discipline.	Reading responses, informal writing, technical assignments, and writing portfolio.

11	Practice reading and writing as a learning process that involves peer and instructor feedback, revision, critical reflection, and self-editing.	Draft research proposal, peer review, revision memo, revised report, and final reflection.

Attach a list of the required/recommended course readings and activities:

Recommended course readings.pdf

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

Yes

Identify the program(s) in which this course is required:

Programs:
MS in Construction Management

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Graduate (Masters) Learning Goals:

Disciplinary knowledge
Communication
Critical thinking/analysis
Information literacy
Professionalism
Intercultural/Global perspectives
Research (optional)

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Is this a Graduate Writing Intensive (GWI) course?

Yes

Please attach the GWI Course Approval Request form:

GWI Course Approval Form.pdf

Please attach any additional files not requested above:

CM 210 Sustainable Design and Construction Syllabus.pdf
CM 210 Assignment Prompts and Supporting Documents-GWI.pdf

Reviewer Comments:

Gareth Figgess (figgess) (Thu, 01 Oct 2026 20:39:40 GMT): Rollback: As requested.

Key: 14864