



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

New Course Request

SDSU	Jerome J. Lohr College of Engineering / Construction & Operations Management
Institution	Division/Department
Dennis D. Hedge	2/24/2021
Institutional Approval Signature	Date

Section 1. Course Title and Description

Prefix & No.	Course Title	Credits
CIM 350	Concrete Applications and Estimating	3

Course Description	Uses of concrete in construction of buildings, pavement, and other facilities. Site plans, formwork selection and design, material performance, and project requirements are used to develop the cost estimate and delivery schedule.
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Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
CIM 216	Concrete Methods and Materials	Pre-requisite

Registration Restrictions

None

Section 2. Review of Course

2.1. Will this be a unique or common course?

Unique Course

Prefix & No.	Course Title	Credits
CM 232	Cost Estimating	3
CM 352	Advanced Cost Estimating with BIM	3

Provide explanation of differences between proposed course and existing system catalog courses below:

CIM 350 is limited to concrete products used in commercial and heavy construction projects. CM 232 develops the pre-construction bid estimate that includes all materials and labor for a commercial build project. CM 352 covers commercial construction project estimates using building systems modeling and analysis.

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

Yes. Specify below: Concrete industry patrons will cover salary and benefits to hire new faculty for the CIM program.

3.2. Existing program(s) in which course will be offered: Concrete Industry Management (B.S.)

3.3. Proposed instructional method by university: R - Lecture

3.4. Proposed delivery method by university: 001 – Face to Face Term Based Instruction

3.5. Term change will be effective: Fall 2021

3.6. Can students repeat the course for additional credit? Yes No

3.7. Will grade for this course be limited to S/U (pass/fail)? Yes No

3.8. Will section enrollment be capped? Yes, max per section: No

3.9. Will this course equate (i.e., be considered the same course for degree completion) with

any other unique or common courses in the common course system database in Colleague and the Course Inventory Report? Yes No

3.10. Is this prefix approved for your university? Yes No - Request for new CIM prefix included in this curriculum proposal.

Section 4. Department and Course Codes (Completed by University Academic Affairs)

4.1. University Department Code: SCOM

4.2. Proposed CIP Code: 15.1501

Is this a new CIP code for the university? Yes No

**NEW COURSE REQUEST
Supporting Justification for On-Campus Review**

<u>Teresa Hall</u> Request Originator	<u>Teresa J.K. Hall</u> Signature	<u>1/8/2021</u> Date
<u>Teresa Hall</u> Department Chair	<u>Teresa J.K. Hall</u> Signature	<u>1/8/2021</u> Date
<u>Bruce Berdanier</u> School/College Dean	<u>Bruce Berdanier</u> Signature	<u>1/15/2021</u> Date

- Provide specific reasons for the proposal of this course and explain how the changes enhance the curriculum.
This course and accompanying new course requests are to establish the new B.S. in Concrete Industry Management (CIM) at SDSU. The CIM program requirements ultimately will result in an accredited program under the Association of Technology, Management, and Applied Engineering (ATMAE).
- Note whether this course is: Required Elective
- In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course?
None.
- If this will be a dual listed course, indicate how the distinction between the two levels will be made.
N/A
- Desired section size 35
- Provide qualifications of faculty who will teach this course. List name(s), rank(s), and degree(s).
Search is currently underway for the first CIM faculty member who will teach in the CIM program as well as serve as Program Director. The Department is seeking a person with at least 10 years relevant industry experience, credentials consistent with a Professor of Practice rank.
- Note whether adequate facilities are available and list any special equipment needed for the course.
The Department of Construction & Operations Management has adequate instructional facilities for this course.
- Note whether adequate library and media support are available for the course.
There is adequate library and media support available.
- Will the new course duplicate courses currently being offered on this campus? Yes No
- If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined.
N/A