



**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 450	Concrete Restoration and Repair	3

Course Description
Overview of the causes of deterioration and failure in fresh and hardened concrete. Identification of damage patterns and methods to control problems in concrete. Repair materials and methods to strengthen and restore concrete structures.

Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-Req/Co-Req?
None		

Registration Restrictions

Senior standing or instructor approval.

Section 2. Review of Course

2.1. Will this be a unique or common course?

Unique Course

Prefix & No.	Course Title	Credits
MNET 243-243L	Introduction to Materials Science & Lab	3, 0
MET 450	Forensic Engineering	3

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

CIM 450 prepares students to identify and remediate damage and failures in concrete (composite) materials. MNET 243-243L is a survey course on various engineering materials and how they are produced. MET 450 covers failure analysis in metallic, non-metallic, and composite materials using specialized lab equipment including scanning electron microscopy.

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**

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

1. 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).
2. Note whether this course is: Required Elective
3. In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course?
None.
4. If this will be a dual listed course, indicate how the distinction between the two levels will be made.
N/A
5. Desired section size 35
6. 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.
7. 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.
8. Note whether adequate library and media support are available for the course.
There is adequate library and media support available.
9. Will the new course duplicate courses currently being offered on this campus? Yes No
10. If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined.
N/A