

SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

New Site Request

| | |
|-----------------------------------|-------------------------------------|
| UNIVERSITY: | SDSU |
| DEGREE(S) AND PROGRAM: | Concrete Industry Management (B.S.) |
| NEW SITE(S): | Online |
| INTENDED DATE OF IMPLEMENTATION : | Fall 2023 |
| CIP CODE: | 15 |

A handwritten signature in cursive script, reading "Bruce H. Neuman", written over a set of horizontal lines.

No other college-based program provides graduates with the combination of business, technical, and real-

4. What is the perceived impact of this request on existing programs in the Regental system?

No impact on existing Regental programs is anticipated.

5. Complete the table and explain any special circumstances. Attach a copy of the program as it appears in the current catalog. If there are corresponding program modifications requested, please attach the associated form. Explain the delivery of the new courses and attach any associated new course request forms.

A substantive program modification and two new course requests for the Concrete Industry Management major accompany this new site request as Appendix A. The department identified changes to the curriculum following initial implementation of the major in fall 2021.

The university is in the process of developing the CM, CIM, OM, and MNET coursework for online delivery. Courses will introduce online sections in a phased approach.

The delivery method for most classes will be asynchronous. One of the requirements of the online Concrete Industry Management program will be that students must come to campus for one scheduled week each year to complete the lab portion of the CIM and MNET classes. The labs are, by necessity, face to face and interactive. This will be run as a cohort, likely during the outside employment.

| Concrete Industry Management(B.S.) | Credit hours | Credit hours currently available online from this university | Credit hours currently available from other universities available online | Credit hours new to this university for online delivery |
|---|--------------|--|---|---|
| System General Education Requirements | 33 | 33 | 33 | 0 |
| <i>Subtotal, Degree Requirements</i> | 33 | 33 | 33 | 0 |
| Required Support Courses | 31 | 25 | 21 | 6 |
| Major Requirements | 56 | 6 | 0 | 50 |
| <i>Subtotal, Requirements of the Proposed Major</i> | 87 | 31 | 0 | 56 |
| Free Electives | 0 | 0 | 0 | 0 |
| <i>Total, Degree with Proposed Major</i> | 120 | 64 | 54 | 56 |

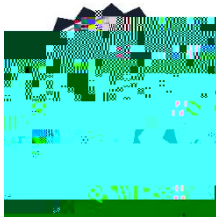
Requirements for the B.S. in Concrete Industry Management

System General Education Requirements

- x Goal #1 Written Communication: ENGL 101 - Composition I (COM) [SGR #1] Credits: 3 and ENGL 201 - Composition II (COM) [SGR #1] Credits: 3 or ENGL 277 - Technical Writing in Engineering [SGR #1] Credits: 3
- x Goal #2 Oral Communication: SGR #2 Elective Credits: 3
- x Goal #3 Social Sciences/Diversity: ECON 201 - Principles of Microeconomics (COM) [SGR #3] Credits: 3 and SGR #3 Elective Credits: 3
- x Goal #4 Arts and Humanities/Diversity: SGR #4 12 792 reW* nDiver

Industry Management major online. Tuition revenue generated from online tuition will adequately fund the program. Growth that requires additional courses will be met by self-support tuition.

- x Increased CM 125 Plans and Specifications from a 1 to 2 credit course. CIM 125 Plans and Specifications is a foundational class in the Concrete Industry Management program, and an additional credit is required to cover the depth and breadth of content. In addition, the course will now be a prerequisite for CM 232 Cost Estimating. Content covered in the additional time is necessary for students to be adequately prepared for CM 232.
- x Removed CIM 216 Concrete Methods and Materials (3 cr.) and added CIM 120 Introduction to Industrial Safety (3 cr.). The content from CIM 216 will be covered elsewhere in the curriculum. It is important for students to become familiar with the industry safety culture at an early point in their careers before field trips and internships. The department will add CIM 120 Introduction to Industrial Safety, in place of CIM 216. This course will focus on concrete batch plant and precast plant safety measures, creating safety training programs, and MSHA new miner training.
- x Decreased CIM 370 Concrete Production and Strategy from a 3 to 2 credit course. This is a software-based class, focusing on dispatch and batching so(2ra)4 (n).BT/TT0 12(ba)14 (s)9 (Ss)9 (y0 (g)1)12



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

Registration Restrictions

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|------|
| None |
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Section 2. Review of Course

2.1. Will this be a unique or common course?

Unique Course

| Prefix & No. | Course Title | Credits |
|--------------|---|---------|
| GE 265 | Industrial Safety | 3 |
| CM 400 | Risk Management and Construction Safety | 3 |

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

The Concrete Industry Management (CIM) program is focused on the unique demands of the concrete industry. As such, CIM 120 Introduction to Industrial Safety, is designed to introduce students to the unique hazards inherent within this industry. This class focuses on concrete batch plant safety (complete with several field trips), precast concrete plant safety, and types of equipment specific to the concrete industry. In addition, the MSHA (Mine Safety and Health Administration) New Miner Training program is taught within this class, a requirement for any of the SDSU students who intern or become employed at aggregate or cement manufacturing facilities. In addition, as a 100-level class, CIM 120 instills the safety culture mindset within the students before they begin performing internships and field trips.

GE 265 Industrial Safety provides a broad overview of construction and manufacturing safety practices, but without the focus on the industry that funds the CIM program and any of the MSHA facets. CM 400 Risk Management and Construction Safety focuses on OSHA certification and is certainly a valuable course (a requirement for students later in their academic careers), but again lacks the focus on the concrete industry and MSHA facets.

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

No. Replacement of CIM 216 Concrete Methods and Materials (3 cr.)
 Effective date of deletion: fall 2023

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

3.3. Proposed instructional method by university (as defined by AAC Guideline 5.4): R - Lecture

3.4. Proposed delivery method by university (as defined by AAC Guideline 5.5): 001- Face to Face Term Based Instruction, 015 - Internet Asynchronous Term Based Instruction, 018 - Internet Synchronous

3.5. Term change will be effective fall 2023

3.6. Can students repeat the course for additional credit? Yes, total credit limit: 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: 30 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 ~~data~~ in Colleague and the Course Inventory Report? Yes No

3.10. Is this prefix approved for your university? Yes No

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

4.1. University Department: Construction and Operations Management

4.2. Banner Department Code: SCOM

4.3. Proposed CIP Code: 15.1501

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



No. Schedule Management, explain below: This course will replace CIM 450 Concrete Repair and Restoration in the Concrete Industry Management (CIM) program requirements. This course will be offered every fall.

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

3.3. Proposed instructional method by university (*as defined by [AAC Guideline 5.4](#)*): R - Lecture

3.4.