



ACADEMIC SENATE

Committee on Academic Planning and Review

ANNUAL PROGRAM REPORT

College	Science
Department	Engineering
Program	M.S. Construction Management
Reporting for Academic Year	2019-2020
Last 5-Year Review	2017-18
Next 5-Year Review	2022-2023
Department Chair	Saeid Motavalli
Date Submitted	10/1/2020

SELF-STUDY (suggested length of 1-3 pages)

A. Five-Year Review Planning Goals

1. The new STEM designation for the program has the potential to attract international students after the pandemic comes under control.
2. *Faculty:* The faculty that support this program are also supporting the construction management program at the undergraduate level. The faculty are; Farzad Shahbodaghlou, Cristian Gaedicke, Reza Akhavian and Fadi Castronovo. Reza Akhavian is currently on a second-year leave of absence. He has joined San Diego State University and is unlikely to return after his leave. As such, we will request an additional faculty to replace Reza.
3. *Research:* The Construction Management faculty are active in research and have been successful in securing funds for their research. The faculty plan is to aggressively pursue funding opportunities, specifically in areas related to the advancement of construction/engineering education. Current activities include summer workshops on sustainability for cohorts of students from Chili to Summer STEM camp for high school students from Contra Costa County, Summer workshops for community college students and study abroad programs in Italy during summer.
4. *Equipment:* Through A2E2 annual funding and the normal refresh cycle of computers by IT and we are keeping the Construction Management/Engineering Management Laboratories current. During 2019-20 faculty received about \$20,000 for surveying equipment.
5. *Enrollment:* Student enrollment in MS in Construction Management program has stabilized in recent years. It now stands at around 56.

B. Progress Toward Five-Year Review Planning Goals

1. We successfully changed the program designation to STEM

<i>5.Assessment indicators</i>	a-Midterm exam question; e- Final exam performance
<i>6.Assessment instrument</i>	Program rubric
<i>7.Time (which semester(s))</i>	a-Spring 2020
<i>8.Responsible person(s)</i>	a-Prof. Gaedicke
<i>9.Ways of reporting (how, to who)</i>	The results (quantitative and qualitative) will be reported by faculty to the department chair via completion of the course Faculty Self-Assessment form.
<i>10.Ways of closing the loop</i>	Interaction between chair, faculty and industry advisory board

Summary: This course is called Construction Enterprise and Risk Management. In this course, students are provided with the fundamentals of the risk management process in construction. The course provides the students with an evaluation of the roles and responsibilities of the parties involved in the risk management process, and demonstrates how to identify, prevent and mitigate potential impacts on the project execution and outcome. The course also discusses quantitative techniques for risk-based analysis in construction and decision-

Assessment Plans for Next Year

Year 2: 2020-2021	
1. Which PLO(s) to assess	6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. (ILO 1 & 2)
2. Assessment activity	Final Project report and presentation
3. Assessment instrument	Program rubric
4. Sample (courses/# of students)	a-CMPE 321 Computer Architecture
5. Time (which semester(s))	a-Fall 2020
6. Responsible person(s)	a. Prof. Tandon
7. Ways of reporting (how, to who)	The results (quantitative and qualitative) will be reported by faculty to the department chair via completion of the course Faculty Self-Assessment form.
8. Ways of closing the loop	Interaction between chair, faculty and industrial advisory board

DISCUSSION OF PROGRAM DATA & RESOURCE REQUESTS

Discussion of Trends & Reflections

Notable Trends:

Summarize and discuss any notable trends occurring in your program over the past 3-5 years based on program statistics (1-2 paragraphs). You may include 1-2 pages of supplemental

Request for Tenure-Track Hires:

It is unlikely that Dr. Akhavian would return to CSUEB after his second year of leave of absence. Therefore we are requesting a new tenure track position.