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**COMMITTEE ON ACADEMIC PLANNING AND REVIEW**

18-19 CAPR 12  
Thursday, February 21, 2019

**TO:** The Academic Senate

**FROM:** The Committee on Academic Planning Review (CAPR)

**SUBJECT:** 18-19 CAPR 12: CAPR analysis of Construction Management 5-year program review

**PURPOSE:** For Action by the Academic Senate

**ACTION REQUESTED:** Acceptance of the Five-Year Program Review of the Department of Construction Management; it is recommended that the program continues without modification.

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**BACKGROUND:**

At its meeting on February 21, 2019, CAPR members unanimously approved the [Construction Management 5-year program review](#). This approval was based on conversations with the lead writer of the report and Dr. Saeid Motavalli during CAPR meetings (Fall, 2018; Spring 2019) and via conversations with the CAPR liaison. The summary document provided was reviewed and approved by the Dr. Motavalli and his peers. The summary of the five-year review is attached to this memo. It is recommended that the program continues without modification.

Following approval of this memo by the Senate, the Provost will review the summary and meet with members of the Construction Management program and the CAPR chair at a time mutually agreeable during the Spring 2019 term to devise a clear 5-year plan moving forward. The Provost will then create a Memorandum of Understanding (MOU) with the Construction Management program and return that MOU to the Senate as an information item as soon as possible (completion of a MOU may require extension into the following Fall semester given scheduling timelines).

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1 CAPR 5-year review summary for BS/ MS in Construction Management

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3 1.0: Background

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5 *Briefly describe the program(s), number of students served, faculty and refer to five-year reports*  
6 *for additional information. Can be copied and inserted from the 5-year review.*

7 The School of Engineering is part of the College of Science. The School offers Bachelor's  
8 degree programs in Construction Management, Industrial Engineering and Computer  
9 Engineering. They also offer Master's degree programs in Engineering Management and  
10 Construction Management. The Master of Science in Construction Management started in the  
11 Winter quarter of 2009 followed by the Bachelor of Science in Construction Management in the  
12 Fall 2010. The first cohort of students graduated with MS degrees in 2011 and BS degrees in  
13 the Spring of 2013. Since then, the program has graduated 37with BS degrees and 84 with MS  
14 degrees. The number of majors in Construction Management as of Fall 2016 are 91  
15 undergraduates and 90 graduates. The student body in the School of Engineering and the  
16 Construction Management are very diverse and fairly reflect the diversity of the Bay Area  
17 population. Most of our graduates end up working for construction companies in the Bay Area  
18 with few pursuing doctoral degrees. The faculty of the Construction Management include 4  
19 tenure track full time faculty and 4 part-time lecturers. All tenure track faculty have Ph.D.  
20 degrees in construction management with undergraduate degrees in civil engineering. The  
21 faculty have been successful in receiving funding from internal and external sources.

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23 The emphasis of the programs in Construction Management is to prepare effective managers  
24 for public and private construction projects, to prepare the workforce required for the state  
25 construction industry, and to enable high school graduates, transfer students and working  
26 professionals to assume leadership roles in the construction industry. Our program aims to  
27 recruit and educate a diverse group of students, which is representative of the population in the  
28 San Francisco Bay area.

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30 During the past 5 years, the program has received about \$650,000 of funding for laboratory  
31 development. The laboratories include Sustainable Construction Materials lab., Construction  
32 Engineering Advanced Technologies Center, and the Surveying Laboratory.

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35 2.0: Checklist of documents submitted with the 5-year review.

- 36 • Self Study – present in 5-year review
- 37 • Five-year plan – present in 5-year review
- 38 • External reviewer's report – present in 5-year review, as liaison, I was able to speak to  
39 the external review committee to entertain any questions related to CAPR.
- 40 • Program response to the external reviewer's report – there is a summary of goals and  
41 trends and future steps to be taken based on the external reviewers' comments.
- 42 • Accreditation documents (if applicable)- links to accreditation and thorough data tables  
43 listing ILO, PLO and SLO assessment strategies are provided in the 5 year review.

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45 3.0: CAPR Analysis

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47 *An executive summary and recommendation for program continuation is proposed. It should be*  
48 *no more than 1-2 pages and should be written by the CAPR liaison in partnership with the*  
49 *department/program chair.*

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51 Proposed parts:

- 53 • *Discuss the strengths and assets of the program with respect to faculty, student*  
54 *success, curriculum, program enhancement, assessment plans as well as*  
55 *notable accomplishments:* The program has devised a comprehensive  
56 assessment plan and have implemented it over the past few years. The data  
57 indicates that all program outcomes have been achieved. However, they are  
58 continuously looking for opportunities to improve the programs. To close the loop  
59 in assessment, evaluation and program improvements, they are using the  
60 process shown in the figure provided (p. 28 of the 5-year review document). The  
61 advising process for construction management program is well organized. A  
62 specific faculty advisor is in charge of advising all undergraduate and another is  
63 in charge of advising all graduate students. This process has created consistency  
64 in advising and assuring that students follow program road maps. In addition,  
65 they have a faculty advisor in charge of career development and advice for  
66 construction management students. Through obtaining internships for students  
67 and organizing bi-annual career fairs, all students have opportunities to apply  
68 and interview for internship and permanent positions from construction  
69 companies.  
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- 71 • *Describe the key issues and/or concerns that were central to the five-year year*  
72 *review process and how the department/program plans to address them:* The  
73 programs in Construction Management just recently (2017-18) achieved  
74 accreditation and have continued to address any concerns of maintaining such a  
75 program in a newly designed School of Engineering. The 5-year review gives  
76 extensive accounts of assessments, external review comments and thorough  
77 data to support all claims made for achieving PLOs.
- 78 • *Note the program's vision for the next five years and what the program hopes to*  
79 *accomplish.* The BS/ MS programs in Construction Management have outlined  
80 thorough strategies for meeting all accreditation demands and those of becoming  
81 a School of Engineering in the College of Sciences at CSU East Bay. Please  
82 reference the full 5-year review for extensive data that supports their goals and  
83 achievements.
- 84 • *Provide concrete steps on how the program plans to achieve its vision in the next*  
85 *five years.* The 5-year review provides extensive attention to next steps in  
86 accrediting programs (page 28 of the review provides a clear graphic that  
87 displays their assessment process and methods of program improvement).  
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89 4.0: CAPR Recommendation(s) for Continuation of the Program – \*please refer to the CAPR  
90 policy document as needed [https://www.csueastbay.edu/faculty/senate/files/docs/policies/12-13-new-policy-page/capr-academic-program-review-16-17capr7-and-17-18capr5-prez-](https://www.csueastbay.edu/faculty/senate/files/docs/policies/12-13-new-policy-page/capr-academic-program-review-16-17capr7-and-17-18capr5-prez-approved-5-9-18.pdf)  
91 [approved-5-9-18.pdf](https://www.csueastbay.edu/faculty/senate/files/docs/policies/12-13-new-policy-page/capr-academic-program-review-16-17capr7-and-17-18capr5-prez-approved-5-9-18.pdf)  
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94 Based on an elaborate and thorough 5-year review submitted by the faculty representing the  
95 BS/ MS in Construction Management, CAPR recommends this program continue without  
96 modification. This program has provided thorough evidence for the achievement of all  
97 components listed in the description of continuation without modification (see below)  
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- 100 • **Continuation without modification** (from page 4, of capr-academic-program-  
101 review-16-17)
  - 102 ○ responsive to previous five-year review, including progress towards goals  
103 identified in the previous plan and external reviewer recommendations;
  - 104 ○ a strategic plan for the next five years;
  - 105 ○ on-going and consistent assessment of program learning outcomes;

- 106 ○ act on assessment results, i.e. has an iterative assessment process;
- 107 ○ discusses data and its implications for the program;
- 108 ○ closes the loop on assessment;
- 109 ○ program is addressing any achievement gaps;
- 110 ○ five-year reviews and annual reports are completed in a timely fashion;
- 111 ○ program is effectively meeting demand for majors and providing service
- 112 courses (where applicable);
- 113 ○ program is maintaining an appropriate density of tenure-track faculty;
- 114 ○ program is continuing to graduate students regularly.

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118 5.0 Summary:

119 As part of the executive summary for Spring 2019, the CAPR liaison, Dr. Michele A. Korb,  
120 recommends this program, BS/MS in Construction Management, for continuation without  
121 modification based on thorough evidence for all requirements of this recommendation.

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123 This CAPR review was approved by: (Construction Management Chair, CAPR, February, 2019)  
124 The next 5-year review for Construction Management is due in the Spring of the 2022-23  
125 academic year.

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