

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-031-212

Program Review for MS Engineering Management

Academic Programs Committee

Date: 02/27/2023

**Executive Committee
Received and Forwarded**

Date: 03/01/2023

Academic Senate

**Date: 03/08/2023
First Reading**

BACKGROUND:

As part of the University's planning cycle for academic programs, a self-study was prepared by the Department of Industrial and Manufacturing Engineering for their MS in Engineering Management. An external review team consisting of Drs. Louis Freund (San Jose State) and James Moore (USC) visited the Department virtually from November 12-13, 2020, submitting their report on December 10, 2020. Subsequently, both the Department and Dean prepared responses, which the AP Committee has reviewed. This is the program's first review since its inception in 2005.

RESOURCES CONSULTED:

Dr. Shokoufeh Mirzaei, IME Chair
Dr. Kamran Abedini, Former IME Chair
Dr. Jocelyn Chong, Office of Assessment and Program Review
Dr. Seema Shah-Fairbank, Office of Assessment and Program Review
Dr. Alison Baski, Interim Dean, College of Engineering
Dr. Laura Massa, AVP Academic Programs

DISCUSSION and RECOMMENDATION:

The external reviewers commended the program for meeting industry needs, managing the transition to semesters without disruption to student progress, and creating and staffing its own core business courses that were previously taught by CBA faculty.

The external reviewers suggested some improvements to the program, to which the IME Department and Dean have responded positively with concrete steps to be taken for implementation. These include structures for continual program quality assessment, program improvement, and documentation of this process and its data; providing a formal process for measuring and improving student success, particularly as it relates to the capstone project; strengthening the business curriculum and adding business instructors to the project and thesis advising team; adding electives and reducing a somewhat cumbersome core with renewed input from alumni and the Industrial Advisory Council; reviewing the implied prerequisites and providing access to them, particularly for business classes; and ensuring that enrollment data is available on a semester-by-semester basis. The Department's proposed actions on these recommendations are well-articulated, with short- and longer-term goals, and require few resources on behalf of the College and University. The Academic Programs Committee is satisfied that the implementation of the Department's action plan will ensure the continued success of the program, and the College Dean broadly concurs with this assessment.

The Academic Programs Committee commends the Department of Industrial and Manufacturing Engineering on their good work in the MS Engineering Management program and for the preparation of a thorough and thoughtful review and plan of action in response to their own self-reflection and external recommendations.