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COMMITTEE ON ACADEMIC PLANNING AND REVIEW

1X-1X CAPR X  
DATE

**TO:** The Academic Senate  
**FROM:** The Committee on Academic Planning Review (CAPR)  
**SUBJECT:** 1X-1X CAPR X: 20XX-20XX Five-Year Program Review for Industrial Engineering  
**PURPOSE:** For Action by the Senate  
**ACTION REQUESTED :** Acceptance of the Five-Year Program Review of Industrial Engineering; it is recommended the program continues without modifications. The date of the next Five-Year review is to be determined after the 2018 ABET report.

**BACKGROUND:**

At its meeting on February 16, 2017, CAPR invited Dr. Saeid Motavalli, program chair, from the Industrial Engineering Department to discuss the 5 year review for 2015-2016. The accrediting body, Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET), has extended accreditation to September 30, 2018.

There is one outstanding weakness that ABET would like to see addressed prior to the next review, and that is strengthening the compliance of the senior design criterion. The criterion states that there should be a design component (senior design project) which utilizes and incorporates knowledge learned throughout the program. ABET's review determined that the senior projects did not explore constraints to a high enough degree to meet the criterion.

**OVERVIEW OF DOCUMENTS SUBMITTED TO CAPR:**

The following documents were included in the report to CAPR:

- A self-study
- A five-year plan
- ABET report

**CAPR ANALYSIS OF THE PROGRAM'S FIVE-YEAR REVIEW:**

*Program summary since last review*

Major changes since the last review include the following:

- Room SC-S 247, Materials Testing Laboratory, is being remodeled into a flexible lab/lecture room which will be more intuitive for group work.

The following remains unchanged since the last review:

- No new faculty have been hired, nor have there been any approved searches.
- Student enrollment for the program has remained steady at around 140 undergraduates.
- The faculty continue to be active in research and pursuing funding.
- Due to A2E2 funds, computers in the Industrial Engineering Laboratories have continued to be refreshed and remain current.

**CAPR RECOMMENDATION(S) FOR CONTINUATION OF THE PROGRAM:**

CAPR recommends the continuation of the program without modification. The next annual review should address the status of addressing ABET's concerns.

The documentation submitted to CAPR was lacking a substantive five year plan. The only comments made to upcoming changes were the conversion to semesters, addressing the ABET observation of faculty, and the remodeling of one lab. Equally there was no discussion of program changes since the previous review. In the future, documentation should follow the guidelines and be more complete, so that CAPR may have a better understanding of the program's current status and future needs.

**DATE OF THE PROGRAM'S NEXT FIVE-YEAR REVIEW:**

To be determined after 2018 ABET report.