**DATE:** April 12, 2021

**TO:** Phillip Anzalone, Chair of the College Council Curriculum Committee

**FROM:** Curriculum Subcommittee

Rachel Raskin (Chair), Elena Filatova, Yu-Wen Chen

**RE:** Final Report for Proposal 19-16- New Courses: CMCE 4402, CMCE 4403 and CMCE 4461

**PROPOSAL OVERVIEW:**

The modifications in the Construction Management & Civil Engineering (CMCE) program proposal introduce three new courses: CMCE 4402 Fundamentals of Engineering Practice, CMCE 4403 Professional Practice and Ethics, and CMCE 4461 Instrumentation and Condition Assessments for Civil and Construction Engineers. The courses are technical electives available to Construction Engineering BTECH students and cover topics needed for engineering licensure (CMCE 4402), professional practice trends (CMCE 4403) and emerging/cutting edge technical topics (CMCE 4461).

**RATIONALE:**

The proposal includes three new Construction Engineering BTECH level departmental electives:

CMCE 4402 – *Fundamentals of Engineering Practice* – This course offers a culminating experience on fundamental engineering knowledge. It introduces expanding engineering concepts on an array of topics covered during licensure examinations.

CMCE 4403 – *Professional Practice and Ethics* – The course is focused on improving the understanding of professional practices in Architecture, Engineering and Construction Industries.

CMCE 4461 *– Instrumentation and Condition Assessments for Civil and Construction Engineers* – The course will cover the fundamentals and application of electronic/mechanical measuring systems and condition assessments commonly used within the Civil and Construction Engineering industries.

**STRENGTHS:**

* expands on topics required for Civil Engineering licensure examinations
* enhances students’ ability to gain employment in the profession
* cultivates students’ written and oral communication skills
* aligns the program with other comparable programs
* expands on the use of technologies to perform key functions in the profession

**WEAKNESSES:**

None

**ISSUES AND CONCERNS DISCUSSED:**

Several minor changes and modifications were requested during both the subcommittee review and meeting with the Provost’s office. The proposers addressed all concerns discussed during the review process in the final version of the proposal.

**SUBCOMMITTEE ACTIVITIES:**

The subcommittee met with proposers Prof. Ivan Guzman, Prof. Anne Marie Sowder and Prof. Navid Allahverdi as well as Dean Shields on March 16th 2021. On April 8th 2021 the subcommittee met with the proposers, Interim Provost Pamela Brown, Kim Cardascia (Provost’s Office), and Dean Shields.