DATE: April 2, 2019

TO: Phillip Anzalone, Chair

College Council Curriculum Committee

FROM: Curriculum Subcommittee

Stephanie Boyle (chair) Randall Hannum, Elizabeth Milonas

RE: Final Report for New Course Proposal 18-04

**COURSE TITLE AND NUMBER:** CET 4915

**CREDIT HOURS:** 4 credits, 3 class hours, 3 lab hours

**PREREQUISITES:** Pre/Co: CET 3640 or department approval

**Catalog Description**

Introduction to the theory and principles of testing embedded software. The topics cover Agile principles and values, test methods and techniques, and tools for testing. The lab and case studies provide an opportunity to apply theory in practical ways to design tests during different phases of embedded software development.

**Rational**

Testing has evolved from an afterthought to a central activity in certain development methods, particularly Agile methods. The Agile Testing of Embedded Software course is designed to span the scope of CET technical electives in the program. This course allows students to develop their knowledge further to design tests during different phases of embedded software development. An understanding of Agile allows students to obtain positions and to work on a project in any sector in the tech field.

**Strengths**

The new course will expand the technical electives offered to students and offer diversity in the elective offerings as well. This new course will provide training in Agile Testing. Thus, this course will offer students a competitive edge in the job market. As noted during the subcommittee meetings, this course would also likely benefit CST students as well.

**Weaknesses**

None

**Issues and Concerns Discussed**

The subcommittee, Dean's Office and Provost’s office request several minor corrections to the proposal. The Proposers completed all of the requested corrections to the proposal document and consulted the CST-per the subcommittee's recommendation. There were no major concerns raised with the content or nature of the course.

**Subcommittee activities**

The subcommittee provided written comments (on Feb 27, 2019) to the proposers with a word document outlining all of the proposed changes to the proposal. These were a collection of comments and questions raised by the subcommittee. The proposers completed all requested changes by the meeting with subcommittee on March 7, 2019. At the subcommittee meeting, the subcommittee requested that the proposers send the proposal to CST. The proposers sent the proposal and CST raised no concerns.