Civil, Architectural and Environmental Engineering Department
Non-Research Student Learning Outcome Assessment Plan

1. Department/Program Mission

The mission of the Missouri S&T Civil, Architectural and Environmental Engineering Department is timeless: to shape the future of the built and natural environments of our global society through creative research and education.

To meet and exemplify the ideals at the core of this mission, the CAREE Department has set the following objectives:

● Preparing graduates to solve technical and engineering challenges around the world for generations to come.

● Enhancing our national reputation among employers, future students and peer institutions so that we are known as a “destination of choice.”

● Engaging in multi-disciplinary scholarly activities that foster knowledge creation and technology transfer in targeted areas.

2. Graduate Learning Outcomes (GLO)

   a. Campus-Wide Student Learning Outcomes:
      Programs must demonstrate that their graduates have:
      I. Knowledge: An ability to apply knowledge of subject matter within their field of study
      II. Communication: An ability to communicate effectively within their field of study.
      III. Critical Thinking: An ability to engage in productive critical thinking within their field of study

   b. Additional Program Specific Student Learning Outcomes (Optional)
      N/A
3. Mapping of Program’s Student Outcomes to Campus Student Learning Outcomes
N/A

4. Plan for Spring 2018

i) The selected option to assess the CArEE Department non-research graduate students is Option 3 – Non-Core Courses.

ii) The following courses are selected for the assessment on non-research graduate students

1) CE 5231 Infrastructure Strengthening with Composites
2) CE 5446 Management of Construction Costs
3) CE 5630 Remediation of Contaminated Groundwater and Soil.

ii) Rubrics will be developed for the assessment of the selected courses.

iii) Data will be collected using the rubrics in at least one of the selected courses.

iv) An assessment report will be prepared.