



Student Voices in Assessment: Strengthening Environmental Engineering Through Dialogue

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Introduction

Undergraduate Environmental Engineering program

- Holds an accreditation from the Associated Board of Engineering Education (ABET)
- The program is currently undertaking a comprehensive revision of the assessment of student learning through our seven ABET outcomes
- Starting AY 2024-25 rubrics were developed for all seven student learning outcomes.

Graduate Environmental Engineering program

- Not accredited by ABET
- Program currently undergoes revisions of the educational objectives and updates of the student learning outcomes

CEE Department at-a glance

17 Full-time CEE Faculty	260 Undergraduate CEE Students	60 Graduate CEE Students
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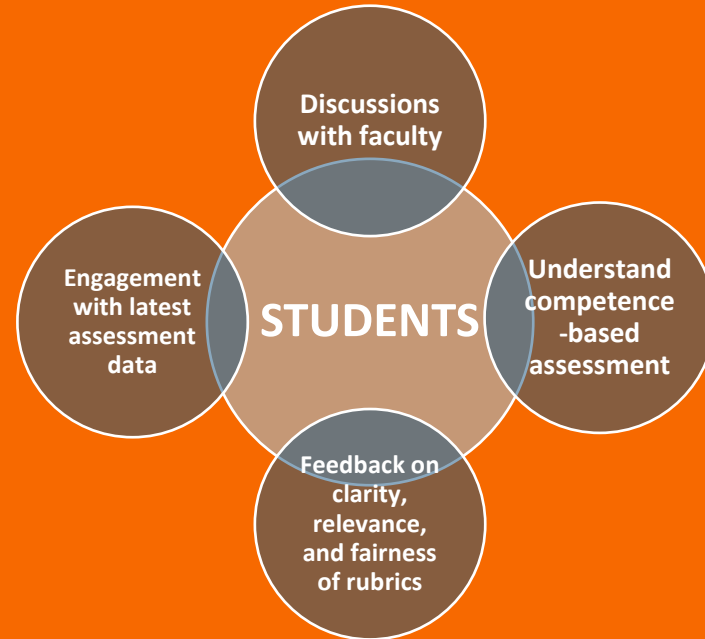
Motivation for the Project

- Educate students about ABET assessment practices
- Create dialogue between faculty and students to strengthen program-level assessment process,.

FACULTY- STUDENT DIALOGUE

ENVIRONMENTAL ENGINEERING STUDENT FOCUS GROUP

- Comprised of current members of the Tau Chi Alpha, the Environmental Engineering Honors Society
- Unaware that competency-based assessment had been conducted in parallel with their traditional grade-based evaluation
- Limited awareness of how their perceived competency compared to formal ABET-based evaluations



FACULTY MEMEBRS

- Unaware students did not differentiate between grade-point and competency-based assessment
- Welcome feedback on existing rubric and assessment results but reluctant to work with student during the development of new rubrics