WORKSHOP

Brainstorming a Program of Tiered Commitments through a Case Study Analysis

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OVERVIEW OF WORKSHOP

One way to instigate change in teaching practices is through a data-informed, collective process. A Program of Tiered Commitments is an evidence-based derived list of commitments developed with input from multiple stakeholders (e.g., researchers, instructors, administrators) that departments, colleges, and faculty development units use to drive the development of supports for instructors. This workshop will enable participants to learn how to use course artifacts (e.g., Learning Management System (LMS) feature use and course syllabi) to track instructors' teaching practices within multiple years of a degree program and use that data as the basis for decision-making.

ACTIVITIES

Attendees will participate in three primary activities. First, they will gain an understanding of how multiple course artifacts can be merged and translated to help inform the development of a Program of Tiered Commitments. Second, participants will work in small groups to examine results from a subset of the data to generate ideas for a commitment statement. Finally, participants will be re-grouped and work together to discuss and synthesize ideas across the case study to merge and refine commitment statements that could ultimately be used by departments, colleges, and faculty developers to encourage instructor change in engineering.

TARGET AUDIENCE

The target audience is researchers, administrators, and faculty developers who are interested in improving engineering education. Students who are also interested in engineering education research are encouraged to participate and contribute their own perspectives. No prior knowledge required.

OUTCOMES

After this workshop, participants will be able to:
- Describe how course artifacts (e.g., LMS feature use and course syllabi) can be merged and translated into useful data.
- Examine course artifacts to generate useful data and ideas for a commitment statement.
- Collectively draft a Program of Tiered Commitments for departments, colleges, and faculty developers.

KEYWORDS

Faculty development, decision making, research tools

PRESENTERS' BACKGROUNDS

Drs. Panther and Diefes-Dux have been conducting research about faculty change since 2020 and have received over $600k from U.S. National Science Foundation to conduct this research. As a result of their funded research, one book chapter, one journal article, and 15 conference publications have been produced. Both presenters have successfully conducted and facilitated active learning during workshops at engineering education conferences including AAEE, ASEE, SEFI, and FIE.