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### **Implementation of Master-based Learning in the Engineering Curriculum**

**Brenda Read-Daily (Engineering and Physics), Kurt DeGoede (Engineering and Physics)**

Drs. Kurt DeGoede and Brenda Read-Daily will host a round-table discussion focusing on mastery-based learning. In this teaching approach, students earn grades by demonstrating mastery on skills at different levels. With master-based learning, students have multiple opportunities to pass skills providing a more individualized learning approach and potentially lessening students' anxiety. The engineering faculty members will provide a short talk detailing their experiences with this approach including how it has improved student learning and reduced time spent grading. The remainder of the time will be spent as a group discussing ways to adapt this approach one another's courses.

Learning Outcome(s): Participants are expected to gain the following: - a better understanding of what master-based learning is - a greater understanding of the benefits to the students and professor(s) - the upfront requirements for utilizing this approach - tips and techniques for switching to mastery-based learning