Online Seminar on Undergraduate Mathematics Education

Building metacognitive skills in calculus (& beyond)

Rachel Diethorn, Oberlin College

Research links strong metacognitive skills with increased academic and math performance; however, incorporating opportunities for students to learn and practice metacognitive skills within our mathematics courses can be challenging. In this talk, we will explore the literature on metacognition, with a focus on what we as instructors can do to build metacognition into our courses. I will share my own experience building a Weekly Learning Strategy program into a large multi-section calculus course at Yale, and reflect on successes, challenges, and ideas for improvements. We will also think about how to adapt these ideas for early proof-based courses.

Noon ET, October 22, 2024

Zoom link: https://cornell.zoom.us/j/92415199317, passcode olsume

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