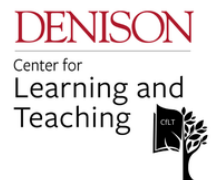


Online Seminar on Undergraduate Mathematics Education

A cheat-proof calculus exam?



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During remote instruction necessitated by the pandemic, many instructors tried to adapt their in-person, timed exams to a remote setting. As we know, this caused a host of issues. In this presentation, we will discuss an assessment technique that I developed to avoid many of the issues referred to above. We will consider an intro calculus assessment that: can be graded in same or less time as traditional written tests; evolves with semester content and student understanding; can be used in remote or in-person classes; moves students beyond rote computation; allows student choice and flexibility; allows for student creativity; and yes, is nearly cheat-proof. Due to the success of this assessment, I will use it in my traditional in-person classes moving forward. As a group, we will discuss the pros and cons of this assessment technique and brainstorm ways to expand this approach into other courses.

Noon ET, September 14, 2021

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

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