

1145-VJ-550 **Mark Bly*** (mbly@coastal.edu), 109 Chanticleer Drive East, SCI 218F, Conway, SC 29528.
Implementing Mastery Grading in Coordinated Calculus. Preliminary report.

Since mastery grading places incentive on student perseverance and since calculus demands that students overcome a wide array of technical and conceptual challenges, pairing mastery grading and calculus is natural. However, given that university calculus courses are a common candidate for coordination, calculus instructors may be offered too little wiggle room in their grading scheme to feel comfortable implementing a non-traditional grading method.

This fall, two coordinated sections of Calculus I were assigned to me. In spite of having discretion over only 10% of the overall grade, I decided to implement mastery grading. I did so in one of my sections, using a traditional points-based system in the other. Data regarding student progress, from pre-tests to weekly homework to chapter tests to the final exam, was collected. The results and my experiences provide the content for this talk. (Received September 09, 2018)