

1125-M5-749

**Katherine E Stange\*** ([kstange@math.colorado.edu](mailto:kstange@math.colorado.edu)). *Standards-based grading and other experiences in a first proofs course.*

At the University of Colorado, Boulder, proof is first taught to mathematics majors in a course titled Introduction to Discrete Mathematics. I will discuss the background and purpose of the course, my varied experiences with this course, ranging from lecture to inquiry-based learning, and focus in particular on my experiences with standards-based grading and other aspects of assessment.

Standards-based grading, which has seen much recent interest in K-12 education, is based on the principle that grading should communicate to students their current mastery and progress with respect to well-defined standards. In particular, it is often adaptive, offering frequent opportunities to reassess (replacing earlier grades) on carefully articulated individual standards. (Received September 10, 2016)