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Designing Calculus for and with Biologists.

This is a tale of two undergraduate colleges in which biology programs were revising majors and eliminating calculus as a requirement, because it did not serve their students. For one college, University of Portland, most majors were pre-med, but not all. For another college, Unity College, the constituents were a variety of non-pre-health life science majors. In this presentation, we discuss how we developed calculus courses for these disciplines, what conversations we had, and what tools we used. We compare and contrast these solutions, but student performance was comparable to traditional calculus sections and in both cases, majors have re-added or are exploring the re-addition of calculus to their major requirements. (Received September 18, 2015)