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M. Reba* (mreba@clemson.edu), Department of Mathematical Sciences, Martin O-202, Clemson University, Clemson, SC 29631. *Online Calculus I in Five Weeks with Remediation Opportunities.*

Summer Calculus I Online covers in five weeks the same material that we cover in 15 weeks during the academic year. The students enrolled in Calculus I comprise three (unequal) groups: (1) those who failed it before; (2) those who want a review; and (3) those who are taking it for the first time. Among each group are non-traditional or at-risk students who narrowly passed either the placement exam or the prerequisite courses. To keep students working during this intense time-period, there are multiple daily-assignments and almost weekly-proctored exams. There are also optional assignments to remediate algebra and trigonometry skills. I will outline how the remediation process works in conjunction with specific sections of the Calculus text. I will also discuss how the structure of my lectures (using 43 recorded-videos) evolved and how discussion posts aid student understanding by asking them to explain core concepts in their own words. I will explain why I grade scanned and uploaded handwritten text-homework, in conjunction with assignments from an online homework system. Finally, I will discuss the process I use to communicate with remote testing centers (both national and international) for hundreds of exams. (Received July 13, 2017)