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Rebecca L Rizzo, Ph.D.*, Georgia State University, Dept. of Mathematics and Statistics, P.O. Box 4110, Atlanta, GA 30303. *BioCalculus – A Flipped Classroom that is Reflective.*

APOS theory emphasizes that learning through reflection is the key to strengthening critical thinking skills and achieving a higher order of thinking. This presentation examines the reflection strategies used in the GSU BioCalculus course sequence to gain increased student engagement, conceptual knowledge and hence overall success rates in the course. Using a combination of lecture, grading, and pedagogical shifts, it has become possible to create a flipped classroom that is reflective for students while measuring the students' analysis skills and ability to apply their learning to their lives. (Received January 10, 2016)