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W. Ted Mahavier* (ted.mahavier@lamar.edu). *IBL Course Notes for Calculus I, II, & III.*

Calculus can be a fertile recruiting ground for majors. When teaching calculus early in my career, I would see students who sought a deeper understanding perform poorly on rote exams. Potential mathematicians were being lost because I was rewarding rote performance over mathematical inquiry! This talk addresses a set of calculus notes that engages students from the first day by having them solve problems and discuss solutions with the class. Started as an NSF project fourteen years ago, these notes have been used in one form or another at dozens of schools including: Cal Lutheran, College of Idaho, Drury, Holy Cross, Lamar, Lewis & Clark, NAU, SUNY Potsdam, and USNA. These notes are freely available, problem-based, include practice sets and cover all of Calculus I-III. (Received September 09, 2014)