

1106-G5-1560 **Brian M. Loft*** (loft@shsu.edu), Dept. of Mathematics and Statistics, SHSU, Huntsville, TX 77341-2206. *Developing a set of IBL course notes for integral calculus: ideas, challenges, and a request for suggestions.* Preliminary report.

There are unique challenges using IBL techniques in a calculus classroom: pressure to cover enough material to prepare students for another course, more students not majoring in mathematics, and large class sizes. These challenges (among others) extend to the development of IBL course notes. While the author has had some success with the creation of a set of notes for differential calculus, another set for integral calculus is proving to be more difficult. A preliminary outline of a set of notes for integral calculus will be discussed, along with the challenges that have been encountered. Suggestions for solutions to these challenges will be solicited. (Received September 14, 2014)