

1125-G1-2306 **Jonathan P Keiter*** (jkeiter@esu.edu), East Stroudsburg University, Mathematics
Department, 200 Prospect St, East Stroudsburg, PA 18301. *Using Inquiry-Based Learning to
Explore Applications of Integration.*

The content and concepts in a second semester Calculus course challenges many students. The course is a math major course, but it serves all science majors. The majority of the students in each section are not majoring in mathematics. We developed inquiry-based in-class projects to help the students explore together the techniques and applications of integration. We will discuss the methods used to get the class engaged. We will describe and share the projects that we use. (Received September 20, 2016)