

1067-E1-1244 **Ockle E Johnson*** (ojohnson@keene.edu), Mathematics Department, Keene State College,
Keene, NH 03431. *The Calculus Book: A Text for Analysis?* Preliminary report.

Despite continually emphasizing to them the obvious connections, my students often experienced Introductory Analysis as foreign and remote from Calculus or anything else they would teach in high school. By using their calculus book as an analysis text, students actually read the calculus book—some for the very first time—and discovered in its chapters, appendices, and higher-numbered exercises the basic elements of analysis. I will outline the results of this approach and some interesting consequences including a more natural, organic development of uniform continuity, compactness, and the Heine-Borel Theorem and a hybrid algebra/analysis course focusing on the algebraic structures and analytic properties of number systems and polynomials. (Received September 20, 2010)