

1116-S5-1728 **William W. Johnston*** (bwjohnst@butler.edu). *The Lebesgue Integral for Undergraduates.*

A so-called “Daniell-Riesz approach” effectively introduces the Lebesgue integral, including the general integral with respect to any Borel measure. This presentation compares its surprisingly minimal prerequisite list with the prerequisites needed for Riemann’s integral and studies the stunning conclusion that the Lebesgue integral is easier. (Received September 21, 2015)