

1116-E1-2604 **Edwin P Herman*** (eherman@uwsp.edu). *Free, peer-reviewed, open-source Calculus textbook by OpenStax.*

OpenStax is a nonprofit organization committed to improving student access to quality learning materials. An initiative of Rice University and made possible through the generous support of philanthropic foundations, OpenStax provides free textbooks developed and peer-reviewed by educators to ensure they are readable, accurate and meet the scope and sequence requirements of most introductory college courses. Since its inception in 2012, OpenStax has saved over 540,000 students \$53 million. OpenStax has published 17 titles to date, including Chemistry, College Physics, and Precalculus.

Calculus, an upcoming text by OpenStax, is suitable for most calculus courses whether an instructor uses an early or late transcendental approach. More than twenty mathematicians worked as authors and reviewers to create this textbook over a two-year period. As a calculus instructor and the book's content lead, I will describe the textbook and its features (including reader "checkpoints" and a variety of student projects) and ways an instructor can customize the book to suit their own course needs. Additionally, I will give reviewer feedback regarding key chapters from the book so that instructors can better decide if it suits the needs of their school's calculus sequence. (Received September 22, 2015)