

Lessons learned the collaborative creation of an OER textbook

Dr. Daniel W Baker PhD P.E., Colorado State University

Prof. Eric Davishahl, Whatcom Community College

Open educational resource (OER) textbooks offer multiple advantages to students and teaching faculty: no cost, wide availability, and the opportunity to customize learning content. While many topics have numerous options of well-vetted textbooks, engineering is behind the curve in creating OER content. Given the lack of viable OER textbooks for Engineering Mechanics: Statics, our team of nine authors worked for over two years to plan, create, and deliver an OER Statics Textbook (full name inserted post-review). In addition to sharing lessons learned from our journey, this presentation contrasts the results of student surveys from three time periods: before the book's creation, during the Fall 2020 pilot, and from subsequent semesters using the book as a primary text.