

1154-C5-2181 **Oscar Levin*** (oscar.levin@unco.edu), School of Mathematical Sciences, University of Northern Colorado, Campus Box 122, Greeley, CO 80634. *PreTeXt for day-to-day teaching.*

PreTeXt is an open source markup language, especially useful for writing open source math textbooks, that can be converted to pdf, highly accessible html, and other formats. The interactive webpages that PreTeXt produces are particularly enticing for educational resources beyond textbooks: course notes, homework sets, in-class activities and other handouts, and even exams and other summative assessments. For this to be practical, instructors need to be able to quickly and easily create course materials inside PreTeXt in the midst of busy teaching schedules. In this talk, I will share my experience doing just this for two of my mathematics courses. We will consider a workflow, open source tools, and a few simple customizations that allow an instructor to write (almost) all their course materials in PreTeXt and create pdf handouts and a free, always up-to-date course website including all materials (almost) automatically. (Received September 17, 2019)