

1145-VF-3000 **Amanda L Hattaway*** (hattawaya@wit.edu), 550 Huntington Ave, Boston, MA 02115. *A First Semester Modeling Course for Applied Math First Year Students*. Preliminary report.

This is a course, called Foundations of Applied Math, that is populated mainly by college freshmen majoring in applied math and some talented high school students during their first semester in college. Students learn how to write code in a high level programming language (this semester it is R), investigate problems using simulations, construct models to represent a problem, explain how applied mathematics is used in industry and academia and how to create a personal website. Curriculum (including a "how-to"), student feedback and assessment results will be presented. (Received September 26, 2018)