Designing a computational linear algebra lab course using Google Colab. Preliminary report.

In this talk I will discuss the design and implementation of a lab course which introduces students to computational algorithms in linear algebra using Python. This course does not assume students have any prior programming experience. Students work through weekly labs, programming their solutions using Google Colab online notebooks before submitting them to a website for automated grading. I will discuss the results of implementing a similar course at Brigham Young University, as well as some of the issues we encountered. (Received September 16, 2019)