

1145-C5-564 **Leah Childers*** (lchilders@pittstate.edu). *Implementing a capstone project in an introduction to proof course.* Preliminary report.

Basic proof writing skills are essential to students' success as a math major. However, students often fail to recognize this when taking their first proof course and fail to retain the necessary skills for future course work in the major. To address this issue, a capstone project was introduced. Students create a notebook summarizing the various proof methods and collecting sample proofs of each major type of proof introduced in the course. The goal of the project is that students will have a resource to use in future courses to remind them of basic proof techniques. We will discuss successes of the project as well as discuss challenges that arose during implementation. (Received September 10, 2018)