

1125-VS-2519 **Elizabeth Niese*** (niese@marshall.edu), Department of Mathematics, Marshall University, One John Marshall Drive, Huntington, WV 25755. *Teaching research skills in undergraduate mathematics courses.*

In mathematics it is not uncommon for students to have their first research experience while completing their senior capstone course. In this presentation, I discuss some of the research skills that students need and ways to encourage the development of research skills in earlier coursework. These include: inquiry, problem-solving, written communication, oral communication, reading mathematics, and proof-writing. Specific assignment/project types for courses ranging from College Algebra to Abstract Algebra will be discussed. Most of the assignments can be implemented in a traditional classroom without significant course redesign. This project was initiated as part of the Faculty Learning Community on Pedagogy of Undergraduate Research at Marshall University. (Received September 20, 2016)