

1106-VE-1615 **Caroline Haddad*** (haddad@geneseo.edu), SUNY Geneseo, 1 College Circle, Geneseo, NY
14454. *Creating an Introductory Procedural Programming Course with Mathematical Problem Solving*. Preliminary report.

In the fall of 2010, the President of SUNY Geneseo announced the dissolution of the Computer Science Department. Our mathematics department was then forced to consider what to do about our computing requirement, a single course in procedural programming, or a course in Java that was the introduction to the CS major. Neither course had any pre-requisites.

A colleague and I saw this as an opportunity to improve upon the current requirement, and create an introductory programming course, using Matlab (though any similar language could be used), where the focus was solving math problems. Our motivation was to use procedural programming to reinforce ideas taught in areas, such as Calculus and Linear Algebra, with a numerical perspective, and help our math majors realize that computing is a useful, and frequently necessary tool for all mathematicians. This presentation will discuss the course we created, my first attempt to teach the course in Fall 2013, and my second attempt to teach in the fall 2014. (Received September 14, 2014)