

1086-VQ-2543      **Timothy B Flowers\*** ([flowers@iup.edu](mailto:flowers@iup.edu)). *Teaching Elementary Number Theory: Something Old, Something New, Something Borrowed*. Preliminary report.

A course in Elementary Number Theory can be an exciting introduction into accessible yet deep mathematics. However, secondary mathematics education majors or students seeking a degree in applied mathematics may dread it as one of their last “theory” courses. In this talk, we will overview our efforts to get these students interested and engaged in Number Theory. Students were expected to learn about number systems of ancient cultures, yet also introduced to modern research related to course topics. Methods included discussions, oral presentations, and writing assignments. (Received September 25, 2012)