

1067-E1-1830      **Feryal Alayont\*** (alayontf@gvsu.edu), GVSU Mathematics Department, 1 Campus Dr., Allendale, MI 49401. *Minding the Pre-service Teacher Students in a Discrete Mathematics Class*. Preliminary report.

Discrete mathematics at my institution is a proof-based course with a significant graph theory component. The course is required of all education emphasis mathematics majors (pre-service elementary or secondary teachers) and, as a result, these students make up a majority of the students in the course. While teaching the course, I take into account this specific audience in many ways. I employ a modified Moore method for teaching, where students solve problems on the board and as part of in-class activities, and assign research projects appropriate for this audience. Written and verbal communication for different types of audiences, and conjecturing is also strongly emphasized. In this talk, I will describe and review these approaches in detail along with student responses to them. (Received September 21, 2010)