

1035-F1-1847 **Feryal Alayont*** (alayontf@gvsu.edu), GVSU Mathematics Department, 1 Campus Drive,
Allendale, MI 49401. *Inquiry based learning in a proofs course*. Preliminary report.

In this talk I will describe the structure and the results of a semester-long proofs course taught using an inquiry based approach. In this course, readings and student presentations were the primary means of introducing content and proof methods. Student performance was comparatively better than in other proofs courses taught using interactive lecture and group work. I will describe how inquiry based approach influenced students' understanding of proof concepts, proof writing skills and attitude towards proofs using examples of student presentations and comments. (Received September 20, 2007)