

Meeting: 1003, Atlanta, Georgia, MAA CP A1, MAA Session on Getting Students To Discuss and To Write About Mathematics, I

1003-A1-1054 **Elyn Rykken*** (elrykken@muhlenberg.edu), Department of Mathematical Sciences, Muhlenberg College, 2400 W. Chew St., Allentown, PA 18104. *What does a mathematician do? Presenting recent articles in upper level courses.*

I recently taught a junior/senior level course on Chaos and Fractals. One of my goals in the course was to have my students understand how a mathematician thinks. To meet this goal, I had them read and present recently published dynamical systems articles (many of them since 2000). I chose the articles from Pi Mu Epsilon and the MAA journals, where papers are often co-written by undergraduates. I allowed the students to pick from a selection of articles. Each pair of students was given an entire class period to present their paper and was required to incorporate some technology into their presentation. In this talk, I will discuss the specifics of the project and discuss ways of adapting this idea to other upper level courses. (Received October 03, 2004)