

EMAT 4000 Syllabus
Special Problems in Mathematics Education
Secondary Focus
Fall 2005
Fridays 8-8:50am

Instructors:

Judith Reed
110H Aderhold
542-4543
jreed14@uga.edu

Eileen Murray
503A Aderhold
542-5014
ecmurray@uga.edu

Summary of Course: In this one-hour course, we will explore mathematical concepts that are both in the mathematics courses at UGA and will show up in high school mathematics courses. This semester will focus on sequences and series and their relationship to concepts in courses such as high school algebra, pre-calculus, and calculus. We will spend the semester developing a more conceptual understanding of sequences and series and how they connect to concepts that you will teach in high school mathematics. We will use a collection of secondary curricular materials to engage in discussion and explorations of these topics. Your grade will be based on attendance, class participation, and several out-of-class assignments building on what we have done in class. We want you to keep a journal of your experiences in your mathematics class and in this class as well. You may choose to include problems that you are working on or just your thoughts about mathematics in general.