



The University of Georgia

Mathematics Education  
Fall 2014  
EMAT 7050 Mid-Term Examination

**Instructions:** This is a take home assignment and is to be submitted to me no later than October 22, at the beginning of class. It should be completed in your best polished prose using a consistent format (e.g. APA style), with appropriate references. The response should be no more than 6 pages, not including references. It should be totally your own work.

**The Assignment:** You have written a paper for which you have already completed significant reading and have some grasp of the range of issues for mathematics instruction relative to its topic. On the other hand, you have shared a variety of topics within the class as we move to appreciate research in mathematics education as a complement to informed practice.

For the examination assignment, you are to **develop a brief prospectus for a research project**. The elements of a prospectus focus on the following points:

What is the **topic**? Include operational definitions of key terms.

What is the **research question**?

What is the **rationale**? That is:

What would motivate this research?

Is there a framework or theory to focus the research?

What would be the potential benefit of doing the research?

Is the research worth doing? Would it matter? Would it tell us something useful?

Is it feasible? That is, could it be done with reasonable resources?

Are there any ethical or moral issues?

The review of literature should be minimal – enough to show the need for the research and help focus the research question. Completed research requires a comprehensive review; the proposal needs only to show the importance of the problem.

At most 10 % of the paper should deal with research methods and techniques. The Primary issue to concisely present a piece of research that needs to be done.