

October (when you are not doing 4-day field visits). Tutoring dates are 9/8, 9/15, 9/29, 10/6, 10/13, & 10/27.

Class Requirements

Students are expected to attend classes and actively participate in discussions. Given that Fridays are online discussions, you are expected to be present and prepared for all face-to-face class meetings. If it is impossible to attend you must notify me as to the circumstances.

This course adheres to the honesty policy that states, "I will be academically honest in all of my academic work and will not tolerate academic dishonesty by others".

(UGA honor code) Details are available at <http://www.uga.edu/honesty>

Activities & Assessments

Philosophy of Mathematics Education: Due September 2, 2009

At the beginning of the semester, you will write a 2-3 page paper on your philosophy of Secondary Mathematics Education. The paper should be based on but not limited to the following topics:

- What is mathematics?
- What mathematics is appropriate for secondary school students to learn?
- What should be the goals for secondary mathematics education?
- What do you feel is critical in teaching and learning mathematics?
- What do you think will be challenging when teaching mathematics?
- What forms of assessment should be used to best reflect students learning?
- Where do equity and technology fit into your philosophy?
- What are your beliefs about teaching, learning, and students?

At the end of the semester, you will review your philosophy of Secondary Mathematics Education and turn in a 1-2 page paper reflecting on how your thinking has changed or been challenged during the semester.

Article Reviews: Due September 16 and October 13

You will need to write 2 article reviews. Choose one article from *The Mathematics Teacher* (MT), one from the *Mathematics Teaching in the Middle School* dated 2000 or newer for review. Both of these journals are in the Mathematics Education library (Room 105 Aderhold Hall). Each review should include in the following order:

- Full bibliographical information for the article (APA)
- A brief summary of the key points of the article. (The readers of your review should be able to identify the key points that the author wishes to deliver without reading the article itself).
- Your opinions about the strengths and weaknesses of the article. (The readers should be able to identify which voices are from you and which are from the author(s) when reading your critique).

- How do you think that the idea(s) presented in the article will or will not influence your teaching?

Online Discussions

In lieu of a face-to-face meeting on Fridays, you will complete posted activities. The online assignments will include readings, mathematics problems, class reflections, and other activities.

Highly Recommended texts

National Council of Teachers of Mathematics. (2000). *Principles and standards for school mathematics*. Reston, VA: Author.

National Council of Teachers of Mathematics. (2005). *Mathematics assessment sample, grades 9-12*. Reston, VA: Author.

National Council of Teachers of Mathematics. (2007). *Mathematics teaching today: Improving practice, improving student learning*. Reston, VA: Author.

Note: Each of these *Standards* volumes is available for purchase from the National Council of Teachers of Mathematics (NCTM) at <http://www.nctm.org> and *is available full-text online for members of NCTM for no cost*. Membership also includes access to a journal of your choice.

We suggest that you join the National Council of Teachers of Mathematics (NCTM) and subscribe to the *Mathematics Teacher*. Student E-membership is \$39, and you may join online at <http://www.nctm.org>. It is also a good idea to join the Georgia Council of Teachers of Mathematics (GCTM). See <http://www.gctm.org>. Student membership is free for juniors and seniors. Unless you object, the entire class list will be submitted to GCTM for student membership. We expect that you are already a University of Georgia's Mathematics Education Student Association (MESA). Membership dues are \$5 for undergraduates and \$10 for graduate students. MESA is an opportunity to interact with all members of the Department of Mathematics and Science Education on a more informal basis. See <http://www.coe.uga.edu/mesa>

Products that contribute to your course grade

EMAT 4360/6360 (A-F)

Daily work and class participation	20%
Midterm	10%
Online Discussion Activities	25%
Article Reflections	20%
Philosophy of Mathematics Education	10%
Final project	15%

Each of these components will be described more fully as the semester progresses.

EMAT 5360/7360 (S/U)

Reflective writing assignments and field reports S/U

For 5360, you will be asked to periodically reflect upon and write about classroom discussions. You also must participate in all field experiences and submit satisfactory reflective field reports. These reflections will also contribute to your experiences in 4360 and to your final portfolio.

Writing

High quality written work will take advantage of the theoretical and practical ideas set forth in your reading assignments and discussed in class.

All written assignments must be typed and submitted through ECommons at elc@uga.edu. Each assignment must be submitted by the deadline. Assignments will be posted on the EMAT 4360/5360 class web page. Reading assignments may require a brief written summary. Label the attached files – *assignment_lastname.doc* For example, my reflective journal would be *reflection_ducloux.doc* All grades on EMAT 5360 assignments contribute to your grade in EMAT 4360/6360.

Rock Eagle

The Georgia Council of Teachers of Mathematics will host their 49th annual conference at Rock Eagle this fall from Wednesday October 14 – Friday October 16. Class will not meet those days. You will be expected to attend one day of the conference and to write about some of the sessions you attend. The theme is – GCM 50 and Fabulous.

Georgia Assessment for the Certification of Educators (GACE)

Georgia certification requires two tests for mathematics certification: Test 1 (022) and Test 2 (023). Each test contains a section with selected response questions and a section with constructed-response assignments. Each section counts for a percentage of your total test score. The nonrefundable registration fee is \$20 & each test is \$65. See the GACE Registration Bulletin for more information.

The GACE will be offered on the following dates this academic year: 10/17/09, 1/09/10, 3/27/10, 5/08/10, & 6/19/10. The registration deadline is about one month before the exam. Scores are sent approximately one month after. The GACE is required for both regular and provisional certification, so we encourage you to take it soon so that you will have additional opportunities to take it, should you need them. Register soon because spots fill up, particularly in Athens. You can get more information and register online at <http://www.gace.nesinc.com/>

Other important information

- Deadline for application for student teaching: Tuesday, September 8 - Online
- Deadline for scholarship during student teaching: Friday, September 25
- Deadline for Stanley Scholarship: Thursday, October 1
- You must either have or waive tort insurance before the first field experience - free.
- You must have a current criminal background check prior to first field experience - \$48.50 (included in application for student teaching packet)

You will find forms and additional information in the hallway displays outside of Aderhold 122.