

EMAT 4450/6450 Mathematics in Context

Spring 2009

Monday 2:30 – 3:20 111 Aderhold Hall

Wednesday 2:30 - 4:25 111 Aderhold Hall

Instructor: Günhan Caglayan, sezen@uga.edu, 105 Aderhold Hall, 706 583 8064

Office Hour: Monday / Wednesday before class by appointment.

Goals

The goal of this course is for you to gain experience with the opportunities and challenges of teaching mathematics within real-world contexts. In particular, you are to gain experience identifying mathematical topics and planning lessons that involve sites and resources within your community. You will do this through class activities, homework assignments, and a project in which you will design mathematics lessons appropriate for high school students.

Textbooks (Optional)

- Contemporary Mathematics in Context (NSF funded New Standards Project).
- High school mathematics at work: Essays and examples for the education of all students (Mathematical Sciences Education Board, National Academy Press).
- Physics for Scientists and Engineers (Serway & Jewett).
- Any *Calculus* textbook for reference.

Expectations

- (1) Attend ALL classes.
- (2) Come to class on time and with your homework completed.
- (3) Keep ALL handouts, notes, and homework assignments.
- (4) Engage 100% in class activities and discussions. This includes asking questions and asking for help from other students or the instructor.
- (5) NO cell phones allowed. Turn them off before class.

Grading	Special Dates
30% Homework	January 19 MLK Day
15% Project	March 4 Midterm Exam
20% Midterm	March 9, 11 UGA Spring break
10% Class participation	March 24 Withdrawal deadline
25% Final Exam	April 30 Monday Class Schedule in Effect
	TBA Final Exam

UGA Academic Honesty Policy

The University of Georgia seeks to promote and ensure academic honesty and personal integrity among students and other members of the University Community. A policy on academic honesty has been developed to serve these goals. All members of the academic community are responsible for knowing the policy and procedures on academic honesty.

The policy may be found at: http://www.uga.edu/honesty/ahpd/culture_honesty.htm