

EMAT 4550/6550 Contemporary Mathematics

Fall 2004

Tuesday/Thursday 5:00-6:15, 111-113 Aderhold Hall

Dr. Andrew Izsák

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542 - 4045

105J Aderhold Hall

Office Hours: Tue/Thur before class by appointment.

Goals

This course will focus on conic sections and some of their applications. The intent is for you to learn some new mathematics, to connect this mathematics to situations in the outside world, and to develop ideas for use in high school classrooms. In particular, the course has four main goals. (1) Learn some mathematics. (2) Incorporate technology into mathematical investigations and problem solving. (3) Build on EMAT 4500/6500 Connections in Mathematics by showing further connections between mathematics and other subjects, particularly astronomy. (4) Develop activities that could be carried out in high school mathematics classrooms.

Expectations

You are engaged in a professional education program and are learning to become professional teachers. I expect you to conduct your study in this course accordingly. Below I have listed more specific expectations, although these are far from exhaustive.

- (1) Attend ALL classes.
- (2) Come to class on time and with your homework completed.
- (3) Keep ALL handouts, notes, homework assignments, and tests. I suggest getting a three ring binder to hold everything.
- (4) Engage 100% in mathematical explorations and class discussions on your own and with others. This includes asking questions and asking for help from other students or Dr. Izsák.
- (5) NO food, drinks, cell phones, or beepers allowed.

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/ovpi/academic_honesty/culture_honesty.htm

Grading

Homework: 30%

Project: 30%

Midterm: 20% Thursday October 7. (Midpoint Withdrawal Deadline, October 15.)

Final: 20% Tuesday December 14, 7-10PM. (Check the schedule of classes.)

Other Dates

August 26 Dr. Olive will teach the class.

October 19 I will miss class due to conference.

October 28 Fall break

November 25 Thanksgiving