

**COURSE OUTLINE- EMAT 2000**  
Foundations of Mathematics Education  
Spring 2006

**General Information**

Instructor	Nicholas K. Oppong
Office	110H Aderhold Hall; 542-4555; noppong@coe.uga.edu
Classroom	112 Aderhold Hall
Meeting Times	Tuesdays& Thursdays 11:00-12:15

*Role of mathematics in society; contemporary issues in mathematics education; role of professional mathematics educator, including ethical and effective practice; social, historical, and philosophical perspectives and methods of inquiry in analysis of mathematics education issues; and sociological and psychological bases for learning mathematics. Technologies used in teaching mathematics.*

**Course Goals**

- To examine the nature of mathematics and its role in society
- To survey the sociological, psychological, historical and anthropological bases for learning mathematics
- To examine the role of the professional mathematics teacher
- To explore contemporary issues in mathematics education
- To examine practices, theories, and debates surrounding teaching mathematics
- To explore a variety of technologies for teaching mathematics and issues in using technology
- To relate developments and changes in the school mathematics curriculum, and in pedagogy with the historical, cultural, and psychological forces operating within society
- To become familiar with NCTM and states standards for school mathematics
- To research and to discuss issues and evolving teaching practice related to the teaching and learning of mathematics
- To become acquainted with the professional community of mathematics educators in order to identify and evaluate teaching resources. You are encouraged to join NCTM, GCTM and MESA.

**Evaluation**

Students are expected to complete all assignments, and actively participate in all activities. Some activities and assignments will involve working with a partner or a group; some assignments will be completed individually. Points will be awarded as follows:

<u>Item</u>	<u>Points</u>
Participation/Assignments/Quizzes/Presentations	15
Test	20
Midterm	20
Project Due:	20
Final Examination	25
Total possible points	100

**Attendance:** All students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academic careers. The penalties for academic dishonesty are severe and ignorance is not an acceptable defense. Participation in class discussions will be an important component of this course. One emphasis of this course is your professional development. Part of being a professional educator is being a good student. Being a good student involves more than just coming to class and completing assignments. It includes demonstrating a professional demeanor while in class and attending conferences and colloquia. No rude or disrespectful behavior will be tolerated during class meetings or while attending conferences and colloquia. Disagreement during professional discussions is good and often productive in developing a deeper understanding of the concepts being discussed. Disagreement in a discussion does not warrant yelling or disrespectful language or behavior. Repeated demonstration of unprofessional demeanor during class or while attending conferences and colloquia may drop your grade or you may be withdrawn from the course. Regular and punctual attendance is expected. Excessive absences (2 or more hours) without excuse will drop your grade or you may be withdrawn from the course.

**Culture of Honesty**

All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. View details at: [http://www.uga.edu/ovpi/academic\\_honesty/academic\\_honesty.htm](http://www.uga.edu/ovpi/academic_honesty/academic_honesty.htm).

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.

For more information, send e-mail to [noppong@uga.edu](mailto:noppong@uga.edu)

**Deleted:** Test (2/5/99) . 20%  
Midterm (3/3/99) . 20%  
Final Exam (3:30-6:30 p.m. 5/6/99) . 20%