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**SYLLABUS**  
**Spring 2009**  
**Math xx94**

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**Dr. Elaydi**  
**Department of Mathematics**

**OFFICE:** MMS 115D

**OFFICE HOURS:** MTWR: 2:30-5:00 or by  
appointment

**EMAIL:** [selaydi@trinity.edu](mailto:selaydi@trinity.edu)

**Office PHONE:** (210) 999-8246

**CLASS MEETS:** Thursday 2:10-3:25

Mathematics 2094 (no credit hours)

Students are required to attend and participate in class discussions. Grades will be based on attendance. **100 points**

Math 3194 (one credit hour)

This course consists of three parts: Technology, Writing, and Reading.

1. Technology (**30 points**)

This may include Maple, LaTeX, Matlab.

The grade will be based on completing two assigned projects.

2. Writing (**20 points**)

Students are expected to write two reports in LaTeX explaining in their own words

Lectures given in the class. These reports will be graded on accuracy and good writing skills.

All math faculty will be willing to assist you in LaTeX questions.

3. Reading (**20 points**)

Students will be given a slate of published articles to choose from. Once the article is selected, students may seek help from any math faculty to prepare for a 15-minute presentation. The presentation should be performed using a computer.

***Attendance is mandatory and will carry 30 points.***

Math 4394 (three credit hours)

The main task for students in this course is to write a senior project. Selecting an advisor and a topic are first priorities for students. Many projects will be posted on blackboard. I will be helping you in expediting the process.

Time Table

1. Selecting an advisor (first two weeks) **January 23**, 2009

2. First presentation, 10-15 minutes, in pdf or PowerPoint. The draft should include references and should be written in LaTeX. (after 4 weeks, [February 19](#)) **10 points**
3. Rough draft of the Senior Project ([April 2](#)) **10 pts.**
4. Final presentation (should be rehearsed with advisor) [April 16, 23](#).  
Oral Presentation **25 pts**
5. Final manuscript (in LaTeX) should be submitted by [May 12](#). **40pts**
6. *Attendance is mandatory and will carry 15 points*

**HONOR CODE/ACADEMIC INTEGRITY POLICY:** All students are covered by a policy that prohibits dishonesty in academic work. The Academic Integrity Policy (AIP) covers all students who entered Trinity before fall 2004. The Academic Honor Code covers all those who entered Fall 2004 or later. Students who are under the Honor Code are required to pledge all written work that is submitted for a grade: “*On my honor, I have neither given nor received any unauthorized assistance on this work*” and their signature. Alleged violations will be reported to the Honor Council. Students who are under the AIP will be requested to make the same pledge, which for them will mean that they acknowledge that use of unauthorized assistance will be handled by the instructor under the guidelines of the AIP. For each type of written work submitted, authorized assistance will be defined as any assistance outside of the resources specifically stated in the syllabus.