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# SPRING 2010 COURSES FOR MATHEMATICS TEACHERS

## **MAT Program - teachers [grades 8 – 12]**

MTHE 5320 Usual and Unusual Problems Using Precalculus  
Tues. 7:00 pm - 9:45 pm Butts

MATH 5302 Elementary Analysis I  
MW 8:30 pm - 9:45 pm Ozvath

STAT 5352 Probability and Statistics I  
TR 5:30 pm - 6:45 pm. Choudary

MATH 6311 Abstract Algebra  
TR 8:30 pm - 9:45 pm Dabkowski

CS 5333 Discrete Structures Van Ness  
MW 4:00 pm – 5:15 pm Van Ness

Any 6000 level mathematics course – see adviser.

## **MTHE 5320 USUAL AND UNUSUAL PROBLEMS USING PRECALCULUS**

An analysis of the concepts of precalculus from an advanced perspective including the relationship to ideas in calculus, advanced calculus, and real analysis and solving non-routine problems involving these concepts and adapting them for classroom use. The role of functions will be emphasized. Topics chosen from functions [polynomial, rational, trigonometric, exponential, logarithmic], measurement trigonometry, vector functions [parametric equations] and conic sections, sequences and series, real world applications. The TI-84<sup>+</sup> graphics calculator, relevant software, and appropriate Internet sites will be used.

- For more information on courses, see the Spring Course Listing:  
<http://www.utdallas.edu/student/registrar/lookup/> [GO TOSPRING 10]
- Other information about UTD: [www.utdallas.edu](http://www.utdallas.edu) - go to Prospective Student.

If you are not currently a UTD student, you need to apply as soon as possible. An official transcript will be needed. Contact the Science-Mathematics Education Department for application or registration assistance; information about courses, the MAT program or courses, etc. Telephone: 972-883-2496 OR e-mail: [mas063100@utdallas.edu](mailto:mas063100@utdallas.edu) [Mary Ann Snedecor] or [tbutts@utdallas.edu](mailto:tbutts@utdallas.edu).

