

# MATH 446 AND 446H, FALL 2009, INFORMATION

**INSTRUCTOR** Dr. Roger Smith

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**URL** <http://www.math.tamu.edu/~rsmith/fall09/math446/homepage.html>  
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**CLASS TIME** TTh 11:10–12:25, ZACH333A

**OFFICE HOURS** TTh 3–4, W 3–4 or by appointment.

**PREREQUISITES** Math 409, 410.

**GRADING** Your grade will be determined by homework and two tests, each counting one third of your grade. There will not be a final. Homework will be assigned each Thursday and handed in one week later.

**MAKE-UPS** These will only be given in cases authorized under *TAMU* Regulations. If you miss an exam you must contact me *immediately*.

**SCHOLASTIC DISHONESTY** Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see *University Student Rules*.

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**SPECIAL SERVICES** Students with disabilities can get assistance from the Office of Services for Students with Disabilities (845-1637).

**SYLLABUS** We will cover metric spaces, point set topology, the Baire category theorem and its consequences, Series of functions, approximation of functions and the Stone–Weierstrass theorem. This will probably fill up the semester, but other topics will be covered if time permits.

**HONORS CREDIT** The difference between the regular class and the honors class will be in the level of difficulty of the homework and the tests. I intend to have a core of problems that are the same for the two groups. The remaining problems for the honors group will be more challenging.