

*COURSE ANNOUNCEMENT*

FALL 2008

MAT 576

Theory of  
Partial Differential Equations

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**Instructor:** Hank Kuiper

**Time:** 9:00 - 10:15 Tuesday & Thursday

**Location:** ECG 317

**Class Number:** 76004

**Credits:** 3

**Course Description:** MAT 576 is the first semester of a year course in the theory of Partial Differential Equations. The first semester will be mainly concerned with the classical theory: the Cauchy-Kovalevskaya Theorem, classical maximum principles for second order elliptic and parabolic equations, hyperbolic equations and shocks and classical existence and uniqueness results. The semester will conclude with an introduction to distributions.

**Textbook:** *Introduction to Partial Differential Equations* by Michael Renardy and Robert Rogers.