

*COURSE ANNOUNCEMENT*

FALL 2008

MAT 516

# Graph Theory I

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**Instructor:** Andrzej Czygrinow

**Time:** 9:40 - 10:30 Monday, Wednesday, Friday

**Location:** Psychology Bldg. 161

**Class Number:** 75996

**Credits:** 3

**Course Description:** This is the first semester of a two-semester systematic development of graph theory that leads to a comprehensive examination in Discrete Mathematics. This semester includes matchings, arboricity, connectivity, and planarity.

**Prerequisites:** The course will be accessible to graduate students in mathematics and computer science. MAT 416 is a useful introduction, but is not required.

**Textbook:** *Graph Theory* (3rd Edition), by Reinhard Diestel;  
<http://www.math.uni-hamburg.de/home/diestel/books/graph.theory/download.html>