



Course Announcement: **MAT 394**

Title of Course: **Algorithmic Graph Theory (Gibbons)**

Instructor: **Hal Kierstead**

Class Number: **79872**

Location/Time: **Tempe ED 218 - T/Th 12:00-1:15**

**COURSE DESCRIPTION:** This course is intended to be a gentle introduction to graph theory, emphasizing algorithms instead of proofs, although students will be responsible for some simple proofs. It would serve as a solid preparation for the more rigorous theoretical introduction offered in MAT 416, as well as MAT 419 Linear Optimization.

**PREREQUISITES:** The prerequisites are MAT 243 or MAT 300 or consent of the instructor (junior computer science majors should have sufficient background). In particular, an understanding of algorithms and mathematical induction at the level of Chapters 3 and 5 of Rosen's Discrete Mathematics and Its Applications would be useful.

**TEXTBOOK:** Algorithmic Graph Theory (Gibbons)