

ITS 102-S14 Spring 2009

Estie Arkin

## Fun with Graphs

**Instructor:** Estie Arkin, Math Tower 1-106, 632-8363, [estie@ams.sunysb.edu](mailto:estie@ams.sunysb.edu);  
<http://www.ams.sunysb.edu/~estie/estie.html>;

**Office hours:** Tuesday 11-12, Wednesday 1-3 and by appointment. You may also stop by whenever you have a question; I am usually in 10-4 every day. I also welcome questions by email or by phone.

**Meetings:** Thursday 9:50-10:45, Math Tower 1-122 (room change as of the second meeting, Feb 5)

**Topic: Fun with Graphs** A “graph” is a network of abstract nodes and edges connecting some pairs of nodes. Graphs are everywhere, from road maps, to the internet, to electrical circuits, to game strategies, to social networks. Many problems in the real world are modeled using graphs, as they help us formalize and think about solution strategies. This seminar is devoted to the exploration of how graph models help us solve a variety of interesting (and fun!) problems.

**Text:** There is no required textbook. There are many textbooks and web sites about graphs, if you want to read more.

**Grades:** Your grade is based on attendance and participation. I will also pose optional “challenge problems” to be turned in and discussed at the start of the next meeting. Grades are A-C/U.

**Academic Integrity:** Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person’s work as your own is always wrong. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicijudiciary/>

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