

Graph Theory with Applications

Syllabus, Math 622, Spring 2010

Contact information:

- Instructor: Karen Collins
- Place: ESC 137
- Time: Th 7:00 - 9:30 p.m.
- Book: Graph Theory with Applications (available free online)
- Instructor's e-mail: kcollins@wesleyan.edu
- Instructor's office: 651 ESC
- Instructor's office phone: 685-2196

This course will be an introduction to graph theory. **Our text** will be *Graph Theory with Applications*, by J. A. Bondy and U. S. R. Murty, which is available for download online at the address below. We will cover Chapters 1 - 10.

<http://www.ecp6.jussieu.fr/pageperso/bondy/books/gtwa/gtwa.html>

Week 1	Jan. 28	1.1, 1.2, 1.4, 1.5
Week 2	Feb. 4	1.6, 1.7, 1.8, 1.9
Week 3	Feb. 11	2.1, 2.2, 2.3, 2.5
Week 4	Feb. 18	3.1, 3.2, 3.3
Week 5	Feb. 25	4.1, 4.2, 4.3, 4.4
Week 6	Mar. 4	5.1, 5.2 and class presentation prep
Vacation		
Week 7	Mar. 25	5.3, 5.4 and short class presentations
Week 8	Apr. 1	6.1, 6.2, 6.3
Week 9	Apr. 8	7.1, 7.2, 7.3, 7.5
Week 10	Apr. 15	8.1, 8.2, 8.5, 8.6
Week 11	Apr. 22	9.1, 9.3, 9.5, 9.8
Week 12	Apr. 29	10.1, 10.2, 10.3, 10.4
Week 13	May 6	Class presentations

There will be weekly homeworks, short individual class presentations on March 25th, and longer individual or group class presentations on May 6th. Grades will be based 50% on the homework, 10% on class participation, 15% on the short presentations and 25% on the final presentation.