

# Math 6520 Graduate Presentation June 2009

- **Purpose:** To prepare through research and reading and present a topic from Graph Theory not covered within the course or an application of a topic covered within the course.
- **Expectations:** Each presentation will be graded on the following components:
  1. Content
  2. Write-Up
  3. Presentation
  4. Activity and applications
  5. Above and beyond

A scoring rubric is attached.

- **Selection of Topic:** Each graduate student will be expected to inform me by the end of June what their topic will be. You can choose from (but are not limited to) the following sections in the book:
  - Section 2.5 - Irregular Graphs
  - Section 3.4 - Reconstruction and Solvability
  - Section 5.5 - Geodetic Sets
  - Section 6.3 - Hamiltonian Walks and Numbers
  - Section 7.4 - Wine Bottle Problems
  - Section 8.6 -  $\Lambda$ -Labelings of Graphs
  - Section 9.3 - Graph Minors
  - Section 9.4 - Embedding Graphs in Graphs
  - Section 10.5 - Local Coloring
  - Section 11.3 - Rainbow Ramsey Numbers
  - Section 12.5 - Channel Assignment
  - Section 12.6 - Distance between Graphs
  - Section 13.3 - Lights Out

Should you choose another topic that is of interest to you, please get it approved by me by Wednesday, July 1.