Schedule

A week-by-week breakdown of the material.

Week 1 (01/08-01/12)

Tue Graph Models (1.1), Connected Graphs (1.2)[1]
Activity Sheet[2]

Thu Common Classes of Graphs (1.3), Multigraphs and Digraphs (1.4)[3]
Activity Sheet[4]

Week 2 (01/15-01/19)

Tue Degree of a Vertex (2.1), Regular Graphs (2.2)[5]

Thu Degree Sequences (2.3)
Graph Isomorphism (3.1)

Week 3 (01/22-01/26)

Tue Isomorphism as a Relation (3.2)
Bridges (4.1)

Thu Trees (4.2)

Week 4 (01/29-02/02)

Tue Minimum Spanning Trees (4.3)

Thu Cut-vertices (5.1)

Week 5 (02/05-02/09)

Tue Blocks (5.2)

Thu Vertex-Connectivity (5.3)

[1] notes/intro.html
[2] activities/activities1-intro.html
[3] notes/graph_classes.html
[4] activities/activities2-graph_classes.html
[5] notes/degrees.html

Week 6 (02/12-02/16)

Tue Midterm Chapters 1-5)

Thu Eulerian Graphs (6.1)

Week 7 (02/19-02/23)

Tue Hamiltonian Graphs (6.2)

Thu Strong Digraphs (7.1)

Week 8 (02/26-03/02)

Tue BREAK

Thu BREAK

Week 9 (03/05-03/09)

Tue Tournaments (7.2)

Thu Matchings (8.1)

Week 10 (03/12-03/16)

Tue Factorization (8.2)

Thu Decompositions (8.3)

Week 11 (03/19-03/23)

Tue Midterm 2 (Chapters 6-8)

Thu Planar Graphs (9.1)

Week 12 (03/26-03/30)

Tue Discussion of the Four Color Theorem (10.1)

Thu Vertex Coloring (10.2)

Week 13 (04/01-04/06)

Tue Edge Coloring (10.3)

Thu Ramsey Numbers (11.1)

Week 14 (04/09-04/13)

Tue Center of a Graph (12.1)

Thu Distant Vertices (12.2)