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 1[2]

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

Activity Sheet 2[4]

Week 2 (01/15-01/19)

Tue Catchup

Thu Degree of a Vertex (2.1)[5]

Activity Sheet 3[6]

Week 3 (01/22-01/26)

Tue Regular Graphs (2.2)[7]

Degree Sequences (2.3)[8]

Activity Sheet 4[9]

Thu Graph Isomorphism (3.1), Isomorphism as a Relation (3.2)[10]

Activity Sheet 5[11]

Week 4 (01/29-02/02)

Tue Bridges (4.1)[12]

Assignment 1[13]

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[1] notes/intro.html
[2] activities/activities1-intro.html
[3] notes/graph_classes.html
[4] activities/activities2-graph_classes.html
[5] notes/degrees.html
[6] activities/activities3-degrees.html
[7] notes/degrees.html
[8] notes/degree_sequences.html
[9] activities/activities4-sequences.html
[10] notes/graph_isomorphism.html
[11] activities/activities5-isomorphism.html
[12] notes/bridges.html
[13] assignments/assignment1.html

Thu Trees (4.2)[14]

Activity Sheet 6[15]

Week 5 (02/05-02/09)

Tue Minimum Spanning Trees (4.3)[16]

Thu Cut-vertices (5.1)

Week 6 (02/12-02/16)

Tue Blocks (5.2)

Thu Vertex-Connectivity (5.3)

Week 7 (02/19-02/23)

Tue Eulerian Graphs (6.1)

Hamiltonian Graphs (6.2)

Thu Midterm Chapters 1-5

Week 8 (02/26-03/02)

Tue BREAK

Thu BREAK

Week 9 (03/05-03/09)

Tue Strong Digraphs (7.1)

Thu Tournaments (7.2)

Week 10 (03/12-03/16)

Tue Matchings (8.1)

Thu Factorization (8.2)

[14] notes/trees.html
[15] activities/activities6-trees.html
[16] notes/minimum_spanning_trees.html

Week 11 (03/19-03/23)

Tue Decompositions (8.3)

Thu Midterm 2 (Chapters 6-8)

Week 12 (03/26-03/30)

Tue Planar Graphs (9.1)

Thu Discussion of the Four Color Theorem (10.1)

Week 13 (04/01-04/06)

Tue Vertex Coloring (10.2)

Thu Edge Coloring (10.3)

Week 14 (04/09-04/13)

Tue Ramsey Numbers (11.1)

Thu Center of a Graph (12.1), Distant Vertices (12.2)