

# *Groups and Graphs*

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Provisional list of contents:

Lecture 1: Introduction to (transitive) groups, graphs, association schemes, and the relationships between them. Some easy graphs.

Lecture 2: Some Leech lattice graphs (without the groups for the most part).

Lecture 3: Cubic graphs. Mention Tutte's Thm, the Goldschmidt and Djoković–Miller classifications of useful amalgams. Some interesting examples like the sextet graphs.