Sit two apart during the exam.
In case of a bomb threat, the exam will be held on the steps of Hamilton Library, or, if it rains, in front of Kennedy theatre.

Office hours: Thursday before exam day: 9:30 - 12:30. Friday, exam day, 11:00 - 12:00.
Final: Friday May 16, 12:00 - 2:00 in our usual classroom.

Material.
The final is cumulative. It will have about 100 points, twice the usual 50 points. It will consist entirely of problems; there will be no proofs, no statements of theorems or definitions, no thought problems.
Unlike the previous exams, you will put your answers and work on a separate sheet.
You won’t get homework credit for doing the practice exam but one of the practice exam problems will be on the final.

The review below covers only the material since the last exam. This will constitute approximately half of the exam.

Definitions and rules. Understand the meaning, statements won’t be required.
Rules of change for assignment \([c_{ij}]\) matrices.
Directed and undirected graphs, node, edge, capacity, flow, origin, source or origin, sink, network, shortest path, longest path, distance.
Acyclic graph, early/late job times, critical node.
Two-person zero-sum game. Payoff matrix, strategy, maximin and mixed strategies.

Be able to do
All previous problems plus —
Assignment problems.
Max-flow, shortest path, and longest path problems. Be able to run the algorithms for these problems.
Be able to setup marriage (matching) problems, equipment-replacement problems and job-scheduling problems.
Find optimal mixed strategies for two-person zero-sum games.

Suggested Exercises.
All homework exercises and exercises of past reviews plus
338: 1, 3, 5, 7.
364: 3, 5, 7abc.
375: 1, 3, 5.
385: 1, 7.