Listed below are the topics for the final exam.  The exam is open-book (like the midterm) and you can use your calculator.  You should not use your phone, laptop, tablet or any other electronic device.  The exam will start promptly at 1pm next Monday in the usual classroom and finish at 3:50pm.  If you have not done so already, please let me know if you cannot attend the final exam in person.

* Finding the dual of an LP
* Strong duality
* The dual simplex method
* Using linear programming to solve a zero-sum game
* Formulating network flow problems using linear programming
* Minimum cost network flow problems:
  + Basic feasible solutions
  + Applying the simplex algorithm
  + Finding an initial basic feasible solution
* Applying the simplex algorithm to the transportation problem
* Solving the assignment problem by formulating it as a transportation problem
* Formulating the shortest path problem using linear programming
* Dijkstra's algorithm
* Formulating the maximum flow problem
* The max-flow min-cut theorem
* Being able to identity an augmenting path and using it to increase the flow