1. Expect the following APPROXIMATE points breakdown:
   30-40 pts Lisp, 40-50 pts Search, 20-30 pts Features and Constraints

2. Introductory lectures
   a. Definitions of AI
   b. Turing test/Chinese Room
   c. Dimensions of complexity
   d. Representation

3. Lisp
   a. Be able to interpret functions
   b. Be able to write functions

4. Search
   a. Blind vs informed/heuristic
   b. Breadth-first
   c. Lowest cost
   d. Depth-first
   e. Depth-first fixed depth
   f. Iterative deepening
   g. A*
   h. Best-first
   i. RBFS
   j. Minimax
   k. Alpha-beta pruning
   l. Metrics/evaluation
   m. Be able to explain pros and cons of different methods
   n. Know the individual algorithms and how they work
   o. Definitions: admissible, heuristically adequate, etc.
   p. Problem formation (representation)

5. Features and Constraints
   a. Definitions: worlds, models, hard vs soft constraints, domain consistent, arc consistent, constraint networks, etc.
   b. Constraint Satisfaction as search (including local search)
   c. Generalized arc consistency algorithm
   d. Domain splitting
   e. Variable elimination