

CSE150B: Introduction to AI: Search and Reasoning (Spring 2025)

Instructor: Sicun Gao

Schedule

- Week 1: Classical Search
- Week 2: Adversarial Search
- **Apr-13: Due: Assignment 1 (Gridworld)**
- Week 3: Markov Decision Processes
 - **April-18: Quiz 1**
- Week 4: Markov Decision Processes
- **Apr-27: Due: Assignment 2 (2048)**
- Week 5 (Zoom lectures): Reinforcement Learning
- Week 6: Reinforcement Learning
 - **May-9: Quiz 2**
- **May-11: Due: Assignment 3 (Blackjack)**
- Week 7: Monte Carlo Tree Search
- Week 8: Constraint Solving
- **May-25: Due: Assignment 4 (Gomoku)**
- Week 9: SAT Solving
 - **May-30: Quiz 3**
- Week 10: Some advanced topics and summary
- **June-8: Due: Assignment 5 (Sudoku)**
- **June-10 noon to June-12 noon: Final (take-home exam)**

Grading

- Assignments: 30 (6×5) points. All assignments are for individuals, no teams.
- Quizzes: 20 points. Three closed-book quizzes during discussion sessions. 10 points each. Sum of best two scores.
- Participation: 10 points. Weekly online participation forms.
- Final: 40 points. Take-home exam that can be taken anytime during two days.
- Grades are determined by **raw total points**, not percentage. Cutoff for A is 90, for B is 80, etc.
- Will not curve.