

# I399/C290: GAMES AND PUZZLES

## FINAL PROJECT GUIDELINES

Below you'll find the guidelines for a successful completion of a final project.

- (1) You can work with one or two other people.
- (2) You can choose your own team. If you need help finding partners, please try to communicate this through canvas.
- (3) If you work on teams, there will be a feedback form where you have to include a narrative of what each individual member of the team did. So please keep track of your contributions.
- (4) Even if you work on teams, your grade might be different from your teammates.

### 1. TYPES OF PROJECTS

- (5) **Implementation Project:** Implement an AI to play a game or solve a puzzle. This cannot be one that you've already implemented as a HW assignment, and whatever code you submit needs to be yours. It cannot be taken from anywhere else.
  - You need to code the logic of the game or puzzle from scratch.
  - You need to implement a solver or an AI that would play the game against a human, and against itself.
  - Part of your grade will be based on how well your AI plays the game.
  - There should be a write up explaining what you did, including needed background. The report should not exceed 5 pages, but it should probably be at least three (double-space is fine).
- (6) **Create your own game or puzzle:** You can invent up your own game or puzzle.
  - You need to implement the game you're designing.
  - You need to implement a solver or an AI that would play the game against a human, and against itself.
  - Part of your grade will be based on how well your AI plays the game, but we'll also balance how well your AI plays with how intricate your game is.

- There should be a write up explaining what you did, including needed background. The report should not exceed 5 pages, but it should probably be at least three (double-space is fine).

## 2. DEADLINES

- (7) A one page-summary of your project is due on Thursday April 6.
- (8) We'll have check-ins every Thursday after this. We'll give you time to work on your project in class and we'll be assessing progress periodically.
- (9) Every group will give a poster presentation at the end of the semester. The time for this is the day and time of our Final exam (we won't have a final exam, but we'll use that time to have our poster session.)