

91.451, Robotics II
Spring 2005, Prof. Yanco

Final Project

Out: Thursday, 7 April 2005

Due: Thursday, 14 April 2005 Project proposal

Thursday, 28 April 2005 Mid-project check

Tuesday, 10 May 2005 Presentation, demo and project report
Note: plan for this class to last until 2:50pm.

As we discussed in class on Tuesday, we'll be starting the final projects. Today in lab, I'll meet with project groups (one or two people) to discuss the proposed projects.

Project Proposal: Your project proposal will be a 2-3 page description of your project and your approach. You should give a development schedule, which should include the mid-project checkpoint goals.

Mid-Project Check: During lab, I will meet with each project group to discuss the current state of your project. At this time, you will turn in a short description (1-3 pages) of the current state of development as well as your current code. If appropriate, you can also give me a demo of your current work.

Presentation: Your 5-10 minute talk should give a brief description of what you were trying to do, how to tried to do it, and what your results were. You may use powerpoint if you wish.

Project Report: For your write-up, you should introduce the problem you were trying to solve. Then discuss your approach (citing any papers or web sites that you modeled your work after, if applicable). Use pseudocode to explain any algorithms you used. Then present your results, including saved images if appropriate for your project. In an appendix to the report, include your code for the project. I expect this report to be 5-10 pages long, not including the code appendix.

Grading: Your grade for the project will be computed as follows:

- 20% for proposal
- 20% for mid-project check
- 30% for talk and demonstration
- 30% for project report