

Class Schedule (Subject to change)

September

Date	Topic	
9/5	Guest Lecture: Chris Jones from iRobot Corp.	
9/7	Discussion: "Course Introduction"	
9/12	Discussion: "Robot Philosophy" Required reading: AI Topics, Robots Optional reading: Martin Ch.1, Choset Ch.1	
9/14	Lab 1: "Player/Stage Introduction" Required reading: playerstage.sourceforge.net	
9/19	Discussion: "Decision Making" Optional reading: Martin Ch.5, Choset Ch.3,4,5	
9/21	Lab 2: "PSG Roomba"	
9/26	Discussion: "Sensing and Perception" Optional reading: Martin Ch.3,6, Choset Ch.9	
9/28	Lab 3 : "Vision"	

October

Date	Topic	
10/3	Discussion: "Motion Control and Physics" Optional reading: Martin Ch.4,5, Choset Ch.10,11	
10/5	Project 1 Demo: "Subsumption"	
10/10	Guest Lecture: Brian Gerkey of Stanford Research Institute	
10/12	Robosapien Dissection and Project 2 Progress Demo	
10/17	Discussion: "Robot Learning" Required reading: Wikipedia: Machine Learning	
10/19	TBA and Project 2 Progress Demo	
10/24	Discussion: "Assistive Robotics" Required reading: AI Topics: Assistive Technologies	
10/26	Project 2 Demo: "Monte Carlo Localization"	
10/31	Discussion: "Manipulation", Final Project Proposals Due Required reading: Brock and Grupen 2005	

November/December

Date	Topic
11/2	Discussion: "Neural Prosthetics" and Project 3 Progress Demo Required reading: Donoghue et al. 2004
11/7	Discussion: "Search and Rescue Robots" Required reading: AI Topics: Hazards and Disasters
11/9	Project 3 Demo: "Path Planning"
11/14	Final Project Discussion
11/16	Discussion: "Autonomous Vehicles" Required reading: AI Topics: Autonomous Vehicles
11/21	Thanksgiving: no class
11/23	Thanksgiving: no class
11/28	Discussion: Topic TBA
11/30	Final Project Progress Demo
12/5	no class
12/7	no class
12/12	Demoday 12-3pm
12/14	Final Papers/Writeups due

Important

All students must attend Demoday from 12-3pm on December 12th.

This information can also be found on the course's online calendar. The calendar may be more up to date than this syllabus.