

Mini Enrichment Course

Rami Abielmona

Spring 2006

Robotics: Intelligent Connection of the Perception to Action

Timeslot	Monday May 1, 2006	Tuesday May 2, 2006	Wednesday May 3, 2006	Thursday May 4, 2006	Friday May 5, 2006
	Introductory Material	Actuators	Sensors	Demonstrations	Complete Robots
08:30	Morning: SITE 2061	Morning: CBY B402	Morning: SITE 2061	Morning: SITE 2061	Morning: CBY B402
09:00	Detailed Tour of Workspace	Third Lecture : Robotic Actuators	Fourth Lecture : Robotic Sensors	Fifth Lecture : Locomotion	Hands-on Laboratories : Robix Arm (Cont'd)
09:30	Introduction to Course and to Classmates	Hands-on Laboratories : Robix Arm	Hands-on Laboratories : Touch, IR and Compass Sensors	Hands-on Laboratories : Experimenting with Locomotion	
10:00	First Lecture : History of Robotics				
10:30	Break	Break	Break	Break	Break
10:45	Robotic Intelligence & Virtual Environments: Videos and Discussion	Hands-on Laboratories : Robix Arm (Cont'd)	Hands-on Laboratories : Touch, IR and Compass Sensors (Cont'd)	Hands-on Laboratories : Experimenting with Locomotion (Cont'd)	Hands-on Laboratories : Robix Arm (Cont'd)
11:00		Discussion Session	Discussion Session		
11:30					
12:00	Break - Lunch	Break - Lunch	Break - Lunch	Break - Lunch	Break - Lunch
12:30					
13:00	Second Lecture : Robotic Applications	Hands-on Laboratories : Robix Arm (Cont'd)	Hands-on Laboratories : Servo Motors & Wheels	Cryomagic Demonstration	Mini-Hockey Competition
13:30	Dream-up a Robot Competition				
14:00	Break	Break	Break		Break
14:15	Dream-up a Robot Competition (Cont'd)	Hands-on Laboratories : Robix Arm (Cont'd)	Hands-on Laboratories : Servo Motors & Wheels (Cont'd)	Student Certificates and Course Conclusions	
14:30					
15:00	Afternoon: SITE 2061	Afternoon: CBY B402	Afternoon: SITE 2061	Afternoon: CBY C03	Afternoon: SITE 2061