

A&D 590E Physical Computing
Prof. Fabian Winkler
Spring 2008

Schedule

Week 01	Tuesday, 01/08/08	Course Introduction. Discuss technical equipment requirements. Presentation of relevant work.
Week 02	Tuesday, 01/15/08	Student introduction: presentation of previous work. Distribute artist research assignments. Give out project 01.
Week 03	Tuesday, 01/22/08	Workshop: basic analog electronics, part 1
Week 04	Tuesday, 01/29/08	Workshop: basic analog electronics, part 2 Workshop: introduction to the Arduino USB board
Week 05	Tuesday, 02/05/08	Presentation of project 01. Workshop: Arduino, INPUT (sensors) Give out project 02.
Week 06	Tuesday, 02/12/08	Workshop: Arduino, OUTPUT (PWM, digi out)

Week 07	Tuesday, 02/19/08	Student artist presentations: Esteban – Futurefarmers; Juan – Maywa Denki; Jordan – Staalplat Soundsystem. Workshop: Arduino and Proce55ing/MAX, serial communication
Week 08	Tuesday, 02/26/08	Student artist presentations: Micah – Simon Penny; Dan – Theo Jansen; Jack – Ken Rinaldo. Proce55ing/MAX: sound, images, video control
	Friday, 02/29/08	3:00–6:00pm; Individual meetings & critiques with Ken Rinaldo.
Week 09	Monday, 03/03/08	5:30pm: Ken Rinaldo lecture “Autotelematic Installations”, Purdue Galleries, immediately followed by the opening reception to Ken Rinaldo’s exhibition in the Ringel and Stewart Center Galleries, Purdue University.
	Tuesday, 03/04/08	Student artist presentations: John – Michel Gondry; Alex – Graffiti Research Lab; Michael – David Rokeby. Work in progress.
Week 10	Tuesday, 03/11/08	Spring Vacation (No Classes)
Week 11	Tuesday, 03/18/08	Presentation of project 02. Give out project 03.
Week 12	Tuesday, 03/25/08	Introduction to computer vision in Proce55ing/MAX
Week 13	Tuesday, 04/01/08	Meeting with performers / work on responsive/interactive system

Week 14	Tuesday, 04/08/08	Meeting with performers / work on responsive/interactive system
Week 15	Tuesday, 04/15/08	Meeting with performers / work on responsive/interactive system
Week 16	Tuesday, 04/22/08	Setup / Fine-tuning for final presentations
	Friday, 04/25/08	Performance / final presentations?
FINALS WEEK	Tuesday, 04/29/08	(FINALS WEEK) Last class meeting, exhibition/performance feedback
	Friday, 05/02/08	Turn in final documentation in Fabian's mailbox. deadline: 10am.

Other important dates in Spring 2008

Irena Knezevic lecture: *Magical Thinking: Afterlives of Modernism*
<http://artforhostages.net>
 date: Feb. 21st, 2008

Ken Rinaldo: Robotic Installations – Ringel and Stewart Center Galleries, Purdue University. Rinaldo, an associate professor of art and technology at Ohio State University, has achieved international acclaim for his interactive robotic sculptures and installations. "The Autotelematic Spider Bots" will be presented in the Stewart Center Gallery. An undetermined similar exhibit will be presented concurrently in the Ringel Gallery. The Spider Bots are 10 spider-like sculptures that "see" with long-distance ultrasonic eyes and communicate with each other through Bluetooth communications technology. Rinaldo's works have been exhibited in England, Brazil, Norway and Japan, as well as the United States.
<http://www.kenrinaldo.com/>
 date: 03/03 – 04/20/2008