OVERVIEW

This experimental design studio will introduce students to the history and use of robotics, covering a broad spectrum of applications, while testing new processes of design and making through advanced fabrication techniques. The course will be structured around research, tours of manufacturing facilities, workshops with industry experts, programming & simulation, and several small design exercises. Students will work in teams and previous knowledge of advanced modeling, scripting, and programming is not necessary.

SCHEDULE

1. History of Robotics
2. Introduction to Software Interface
3. Robots in Action – Tours
4. Workshop: Machine Setup
5. Programming + Simulation
6. Fixturing
7. Design Project 1
8. Design Project 1
9. Design Project 1
10. No Class – Spring Break
11. Design Project 2
12. Design Project 2
13. Design Project 2
14. Documentation + Exhibit
15. Speculation