

Course schedule

Version of 4/11/97

Week 1

Wed, Apr 2 (5:45pm, Terman 102 - time & location may change for future lectures).

Course intro, philosophy, organization. Hand out surveys, warmup assignment, lists of projects, R&D topics. (Surveys **due** in lab Thursday, Apr 3.)

Thurs, Apr 3 (5:30pm in the Robots Lab, Bldg. 530-02).

Lab introduction & mandatory safety briefing. Equipment intro. Group assignments made by COB Friday.

Week 2

Robot programming tutorials -- Bldg. 530-02 (assigned times by groups)

Warm-up assignment **due** (bring to group meeting).

Thurs, Apr 10: *Calibration and precision manufacturing* (Cutkosky, Costa, Smaby)

Week 3

Robot programming tutorials -- Bldg. 530-02 (assigned times by groups)

Thurs, Apr 17: *Design of end-effectors & hands* (Rodriguez, Levin, Stanford)

Begin demonstrations of first projects (times by arrangement).

Week 4

Robot programming tutorials -- Bldg. 530-02 (assigned times by groups).

Thurs, Apr 24: Tour of Adept Technologies? (*to be confirmed*).

Week 5

Robot programming tutorials -- Bldg. 530-02 (assigned times)

Thurs, May 1: Presentation by Ed Nicolson, Yaskawa Electric (RobotWorld parent company)

Begin demonstrations of second projects (times by arrangement).

Week 6

Robot programming tutorials -- Bldg. 530-02 (assigned times).

Thurs, May 8: *Vision algorithms and issues* (Lin, Beamer, Nagashima, Trujillo)

Week 7

Force control demos and tutorials -- Bldg. 530-02

(conducted by DML staff; Cutkosky will probably be out of town this week).

Thurs, May 15: *Force Control* (Park, Fraser, Vicente, Shimon)

Week 8

Third project demonstrations, fourth project consultations -- Bldg. 530-02 (assigned times).

Thurs, May 22: *Tactile sensing and haptics* (Siu, Tompkins, Green, Quinnan)

Week 9

Fourth project consultations -- Bldg. 530-02 (assigned times)

Thurs, May 29: *Dexterous manipulation and telemanipulation* (Nielsen, Berman, Kennedy, Dubielzig)

Week 10

Begin fourth project demonstrations (schedule to be determined).

Thurs, June 5: Continue demonstrations of fourth projects (schedule to be determined).