Final Project

This is the 'Project' in 'Project Lab'

It is YOUR design

Work in teams of 2 or 3 persons

Staff will support and help as possible

Start NOW

Most work done after lab 3 (and other work) is completed

Demonstrations last week of term

6.905 makes 6.111 an 18 unit subject

Prizes...

Procedures (continued)

4. Write the proposal itself
   Description in words
   Block diagram of major parts
   Specifications: what will it do?
   Division of responsibilities

5. Proposal Conference
   Schedule with your project TA
   Bring proposal material
   Expect pointed discussion

6. Detailed Design
   Based on Proposal and Proposal Conference
   Wiring Diagrams and Source Code
   Supported by Design Conferences
   Must be done before construction begins
   Design Presentations -- scheduled at class hours

Procedures (continued)

2. Decide what to build: your project
   Should DO something
   Have some unique feature
   Be visually or aurally appealing
   (Working projects will be videotaped!)

3. Write up Proposal Abstract
   Convenient form back of project info handout
   We will use this to map teams to project TA's

   Steps 1, 2 and 3 should be done this week (Wednesday)

Procedures (continued)

7. Construction
   Prerequisites: everything else done
   Labs 1, 2 and 3
   All homework
   Detailed design (step 6)

8. Demonstrate
   Typically during last week of term
   (Earlier is OK!)
   Working projects will be videotaped

9. Report
   Class Presentation -- to be arranged
   A formal report as described in Report Guide
   Report may be prepared jointly
   Individual sections identified
   Deadline: COB on last day of classes!
6.905

Makes 6.111 an 18 unit subject (by adding 6)
+6 Engineering Design Points
  (But doesn't satisfy any other requirements)

Grading:
  does not affect 6.111 grade
  6.905 grade = 6.111 grade

Requirements:
  Must have detailed design done and be ready for construction
  Must have all of this done by drop date

Paperwork:
  Form (penultimate page in project info) signed by Project TA
    (this must be done after design conference is completed)
  Present this and add card to Kirtley, who will sign as 'instructor'

Prizes

George C. Newton Prize
  Best Undergraduate Project Lab in Course 6
  One per year
  Not always, but usually won by a 6.111 project

Bell Northern Research Prize
  Best 6.111 project
  One per term
  => you can't win both <=