

# Final Projects

## Proposals (25 pts.)

One per group

Must have instructor approval before you turn in your proposal

Brief description

Goals (measurements)

Circuit Diagrams

Parts list (up to \$30/project)

**Due 11/3 or 11/5**

## Progress Reports(25 pts.)

two page report indicating what work has been done and what work remains

**Due 11/17 or 11/19**

## Presentations(75 pts.)

Scientific presentation (preferably with powerpoint type slides)

10 min for 1 student, 15 min for 2 students

**Tuesday Dec. 8 all day**

# Final Projects

## Final Report (75 pts.)

Each student must write up an independent report

Should be more extensive than a typical lab report

Your written report should include your goals, complete circuit diagrams with component values and/or part numbers, explanations that demonstrate that you understand how the circuit works, a clear presentation of any measurements and data, and conclusions.

**Due 5pm Friday , Dec. 11**

**(No late reports accepted without prior instructor approval.)**

# Types of Projects

- List of old projects on website - some of them do not meet the current class requirements
- Avoid digital, high-voltage, or mechanical projects
- Avoid high-frequency ( $>1$  MHz) applications in general some might be ok
- You can work alone or in groups of two. Complexity of the project must be proportional to number of students in the group
- Avoid random Googling
  - 1) You must understand how the circuit works
  - 2) Designing a circuit from vs a Googled circuit will be considered during grading.