

# Final Design Review & Corrections

## ECE Senior Design

Evaluated by (check one):

Evaluation of Team No. \_\_\_\_\_

\_\_\_\_\_ Project Sponsor    \_\_\_\_\_ MTU Faculty/Staff    \_\_\_\_\_ MTU Grad Student    \_\_\_\_\_ Industry/External

Evaluate and point out errors and suggested improvements in the project design, report, documentation, and presentation. Design and documentation is to be 100% complete at this point. The report is to conform to format provided on back of this sheet.

Based on review of design approach, calculations, documentation, and team presentation, evaluate the proposed design and work to date. Use a 5-10 point scale. Provide major comments below. [Sponsor and Advisor: Point out errors and write helpful suggestions in the margins of the report. Return markup report to team, with copies of this sheet to advisor. Team shall respond to comments, make corrections, and deliver final report and documentation by April 24<sup>th</sup>. Note to team: Keep the design review markups intact, your advisor may request to see how you've responded to the design review as part of the grading process!]

- 10 - Excellent design, clear documentation, everything correct: big raise, dinner at boss' house. (A+)
- 9 - Good design, adequate documentation, small errors: average raise, pat on the back. (A)
- 8 - Fair design, marginal documentation, ok if errors caught in time: small raise, work harder. (B)
- 7 - Poor design, poor documentation, major calculation errors, salvageable design: no raise. (C)
- 6 - Major flaws in design, very poor documentation, infeasible design: must totally redo. (D)
- 5 - Dismally poor, incomplete, calculations wrong, illegible report, no real engineering done. (F)

1) Project organization: scheduling, budget, use of personnel/resources, etc.

Comments: \_\_\_\_\_

2) Completely understand problem, clear definition & technical specification, constraints.

Comments: \_\_\_\_\_

3) References: thorough research of available technology, components, design methods.

Comments: \_\_\_\_\_

4) Evaluation of alternative designs, justification of chosen design.

Comments: \_\_\_\_\_

5) Design is based on sound engineering analysis. It meets spec, is buildable, and it works!

Comments: \_\_\_\_\_

6) Supporting info (reproduce design?): calculations, assumptions, drawings, design notes.

Comments: \_\_\_\_\_

7) Report layout, writing style, effective use of "visuals" (figures, tables, equations).

Comments: \_\_\_\_\_

8) Clear effective presentation, ability to explain and answer questions.

Comments: \_\_\_\_\_