

Graduate Engineering Design Assessment

Student Name
(last, first middle)

Comp ID
(e.g. mst3k)

SIS ID
(office use)

Program

SCORING: 5 = excellent; 3 = adequate; 1 = unsatisfactory (or NA)

Score **Comments**

1. Defining the Problem

Has the student stated the problem clearly, provided its motivation, and the requirements for a solution?

2. Success Criteria

Has the student adequately defined the measure(s) of success to be used to evaluate the design? Is there a well defined metric with a goal? Does the metric adequately represent the desired success criteria?

3. Evaluation Process

Is there a well-defined model for evaluating the design and alternatives? Are design choices justified using a model?

4. Solution Approach

Is the approach taken well executed? Does it appear to be correct? Does the student utilize appropriate professional standards?

5. Understanding the Context

Has the student adequately considered the broader research context in which this work appears? Has prior art been considered and evaluated?

6. Innovation and Risk

To what extent is the design innovative or has the student taken a risk in applying the chosen approach?

7. Considering Limitations

Has the student recognized the limitations and implications of the work?

8. Writing Quality

Has the student demonstrated understanding of the impact or significance of this work to the field?

9. Presentation Quality

Has the student demonstrated understanding of the impact or significance of this work to the field?

10. Ability to Answer Questions

Has the student demonstrated understanding of the impact or significance of this work to the field?

11. Degree of Difficulty of Problem or Solution

Has the student demonstrated understanding of the impact or significance of this work to the field?

Faculty Evaluator

Name

Signature