

## Senior Design Report Content Summary Form

Name (print): \_\_\_\_\_ Semester: \_\_\_\_\_

**Students:** Written responses to these questions are required in addition to your Senior Design Report. Answers need not be more than a few sentences long. If you worked with a group on your project, each member of the group must submit a content summary form with their own answers to these questions and the project advisor's signature.

### Instructions for Submission of Design Report:

- **Senior Design Report:** Submit to your senior design instructor.
- **Summary of Design Content (this form):** Compose responses to the nine questions below and attach them to this sheet. Submit this form, with the responses, to your design instructor for his/her review and signature. After the instructor's signature has been obtained, submit this form and attached responses, to Kae-Lynn Wilson in 125 Upson Hall.

1. What are the function(s) of your design?
2. What constraints related to the main function(s) must your design satisfy?
3. What are the performance objectives of your design? What must be optimized?
4. What alternative design concepts were considered?
5. What analyses were used to select among these alternative design concepts?
6. Which concepts or skills learned in your coursework were applied to the design? Please provide a list with each entry providing the department and number of the course, plus a brief description of the particular concept or skill used.
7. What format did your design take? For example, is it a complete set of CAD drawings, a working prototype, a full finished product, a system configuration, a process, or something else?
8. Briefly evaluate your design, relative to its function(s), constraints, and objectives.
9. Describe each student's role in the design project and in writing this report, if there are multiple authors.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Design Instructors:** By signing below, you agree that you have reviewed and approve of this student's senior design report content and attest to the design focus of the project.

Instructor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*The Mechanical Engineering Program is accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>. ABET requires that each student's education culminate in a major design experience based upon the knowledge and skills acquired in course work, which incorporates appropriate engineering standards and multiple realistic constraints. Completion of this form ensures that the student's design project has met these requirements and those of the Sibley School.*

**Submit this form, with attachment, to Kae-Lynn Wilson – 125 Upson Hall.**

**This document is required for graduation.**