

Bioengineering Final Design Rubric

Instructor: Z. Maria Oden

Team Name: _____

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|----|---|-----|
| 1. | Quality of final design discussion and device description | /25 |
| 2. | Quality of device implementation | /30 |
| 3. | Use of figures | /15 |
| 4. | Professionalism/ Formatting | /5 |

Total: /75

Grading elements in Final Design

NOTE: In grading these expectations are adjusted to the time the cycle report is submitted- ie: in team cycle 3, it is acceptable to still have a FEW open questions about the design- however, this is not acceptable in TC 4.

	Excellent (max pts)	Average (mid pts)	Poor (lowest pts)
Quality of final device description	Discussion provides logical, well supported description of how the team solved the problem. Intended device operation is discussed in detail	Final design is described, but discussion is not always complete. Elements of device operation may be unclear.	Final device description are confusing, vague, or incomplete. Team may omit critical components of device design or cover the components only cursorily. Reader has significant questions about how device works.
Quality of device implementation	Team has demonstrated adequate implementation of the design.	Design implementation vague or incompletely demonstrated. Reader has occasional questions about whether the device works as described.	Device is not implemented to expectation at this time point. Reader is not confident that the team has a firm plan to develop a product in the appropriate time.
Use of figures	Figures are included to explain and organize content and help reader visualize device operation and function of the device. Figures are numbered and referenced in text, and figure content is appropriately labeled and easy to read. Captions explain the figures thoroughly.	Figures are used but may have a few of the following problems: do not aid understanding of device operation or function; are not explained well; are not numbered, labeled, referenced in text, or appropriately captioned.	Figures have several of the problems listed in Col. 2 or are used ineffectively or sporadically in the document.
Professionalism/ Formatting	Organizes document for readability. Transitions logically between topics, leads with assertions, and provides clear forecasting sentences and subheads to guide reader through the document. Grammar and spelling is not distracting.	Document contains some distracting formatting or grammar problems. Organization may not aid understanding or help readers skim the document. Writing (sentence structure and transitions) may fail to guide reader.	Transitions and other cues to guide reader are absent. Document may be incomplete, sloppily organized, or poorly written.