

# Bioengineering Final Report Rubric

Instructor: Z. Maria Oden

Team Name: \_\_\_\_\_

		<b>Cycle 4</b>	<b>Cycle 5</b>
1.	Cover Sheet	/5	/15
2.	Table of Contents	/5	/15
3.	Executive Summary	/50	/50
4.	Introduction	/50	/75
5.	Design Strategy	/25	/50
6.	Final Design	/40	/50
7.	Testing and Results	/50	/75
8.	Summary and Recommendations	/50	/75
9.	References	/5	/15
10.	Use of figures and graphs	/50	/50
11.	Appendices- Key data/calculations and other appropriate material	/20	/30
12.	Professionalism and Formatting	/25	/50
	<b>TOTAL:</b>	<b>/375</b>	<b>/550</b>

## Grading elements in Final Report

See individual assignment rubrics for more details on expectations for individual sections

	Excellent (max pts)	Average (mid pts)	Poor (lowest pts)
Cover sheet	Cover sheet provides a neat and descriptive first impression of device. Contains all required information such as: descriptive report title, who it is being submitted to, who wrote it and for what purpose. Affiliations, dates and appropriate cover art are included.	Cover sheet is present, may be missing a small amount of information	Cover sheet is missing or poorly executed
Table of contents	Table of contents is complete, neat and accurate	Table of contents is present, and thorough but may contain some errors or omissions or require additional formatting	Table of contents not done or poorly done, is potentially sloppy or inaccurate
Executive summary	See individual rubric		
Introduction	See individual rubric		
Design strategy	See individual rubric – FDA Approval Section must be included		
Final design	See individual rubric- Table with cost to manufacture your device in small, medium and large quantities must be included		
Testing and results	See individual rubric		
Summary and Recommendations	Includes a well written, concise summary of the current status of the design, describes major features of design, assessing whether design criteria were met, makes recommendations and suggestions for improvement for future teams working on project. Is approximately 3 pages or less	Summarizes the current status of design, describes most major features of design, evaluates whether most design criteria were met, makes recommendations and suggestions for improvement for future teams working on project. Is approximately 3 pages or less. May miss some key issues in summarizing or making recommendations	Does not contain many of the features listed at the left. Is possibly poorly written and thought out.
References	Reference list complete, neat and accurate. Reference notations within the text are consistent and accurate.	Reference list mostly complete, neat and accurate. Reference notations within the text are fairly consistent and accurate. Some errors are present	References handled poorly
Use of figures and graphs	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.
Appendices	Appropriate data selected and included- particularly appropriate calculations for design implementation or decision. Appendices allow a more interested reader to complete the picture of your effort.	Data included as appendices. Most appropriate items are included	Appendices are not appropriate or are of poor quality
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.