

## BIOMED – Technical Design Rubric – Term 1

Course: \_\_\_\_\_

Date: \_\_\_\_\_

Student(s): \_\_\_\_\_

	<b>3 - Excellent</b>	<b>2 – Good</b>	<b>1 - Adequate</b>	<b>0 - Inadequate</b>
<b>Identification of the problem</b>  <b>Score:</b>	The problem has been shown (not just stated) to exist with supporting factual evidence.	A problem statement has been stated.	The problem statement has weak support.	Problem has not been stated clearly and lacks any supporting evidence.
<b>Research and information gathering</b>  <b>Score:</b>	Existing solutions to the problem, including their good and bad points, have been stated.	Existing solutions have been stated. Additional discussion may be warranted in places.	A complete review of existing solutions and research related to this problem is not presented.	Connection between references and what is written is not clear. Little investigation has been done.
<b>Definition of the project</b>  <b>Score:</b>	<ul style="list-style-type: none"> <li>• There are clear expectations of the specific outputs or deliverables for the project.</li> <li>• A set of measurable performance requirements has been created.</li> </ul>	<ul style="list-style-type: none"> <li>• Expectations have been stated.</li> <li>• Some objectives may not be measurable.</li> </ul>	<ul style="list-style-type: none"> <li>• Expectations have been stated.</li> <li>• Most objectives are not measurable.</li> </ul>	<ul style="list-style-type: none"> <li>• Expectations are not clear.</li> <li>• Expectations are not measurable.</li> </ul>
<b>Development of a plan</b>  <b>Score:</b>	<ul style="list-style-type: none"> <li>• A comprehensive listing of critical design criteria is provided</li> <li>• All design criteria have been justified</li> <li>• All design criteria have been associated with requirement</li> </ul>	<ul style="list-style-type: none"> <li>• A comprehensive listing of critical design criteria is provided</li> <li>• Majority of design criteria have been justified</li> <li>• Majority of requirements have been identified</li> </ul>	<ul style="list-style-type: none"> <li>• The comprehensive listing of critical design criteria is incomplete or inadequate.</li> <li>• Some of the design criteria are justified</li> <li>• Some requirements have been identified</li> </ul>	<ul style="list-style-type: none"> <li>• The comprehensive listing of critical design criteria is incomplete or inadequate.</li> <li>• Design criteria are not justified</li> <li>• Design requirements have not been identified</li> </ul>
<b>Project Scheduling</b>  <b>Score:</b>	A plan stating the cost, completion date, and required resources has been presented. Gantt charts and a budget spreadsheet have been generated.	Some aspects of the plan have not been fully developed.	Few aspects of the plan have been developed.	Lack of planning is evident.
<b>Technical level of project</b>  <b>Score:</b>	A significant portion of this project involves technical information outside the scope of the undergraduate curriculum.	Several technical aspects were new to the students and required research.	This project contains some research but mostly involves technical information taught at the junior and senior levels.	This project did not challenge the students to perform much research, as it relied mainly on information taught within the curriculum.

**Total Possible Points = 24**

Comments:

Evaluator Signature: \_\_\_\_\_