

WORCESTER POLYTECHNIC INSTITUTE

Biomedical Engineering Advisor's Assessment of ABET MQP Outcomes AY2023-24

To be completed by MQP team

Project Title: _____ **Student names** _____ **Department** _____
Project #: _____
This MQP was conducted at _____
 WPI _____
 Off campus _____
Institute name: _____

Project sponsor: Faculty External

Project was presented at: _____ **Advisor names** _____ **Department** _____
 BME Department _____ (or off-campus facility)
 Other Department: _____
Incorporates Capstone Design: yes no _____

Outcome	ABET Outcome	Pages
1.	An ability to identify, formulate, and solve complex engineering problems at the interface of engineering and biology by applying principles of engineering, science, and mathematics	
2.	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors	
3.	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts	
4.	An ability to develop and conduct appropriate experimentation, analyze and interpret data from living and non-living systems, and use engineering judgment to draw conclusions	
5.	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies	
6.	An understanding of biology and physiology	
7.	An ability to address the problems associated with the interaction between living and non-living materials and systems	
8.	Show that the problem was defined and the design criteria was clearly stated	
9.	Incorporate appropriate Engineering Standards in the design	
10.	Show that alternative designs were created and reviewed	
11.	Show that an open-ended need exist for a device, system, process, or experiment	

**To be completed and delivered to the BME Department
by the project advisor**

Program Outcome (see below for details)	Meets outcome	Quality
An ability to communicate effectively with a range of audiences		
An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives		
Advisor comment (if any):		
Advisor's name/date	Signature	