

Assessment Rubric for the Comprehensive Exam in the Biomedical Engineering Ph.D. Program

Written Examination	Aims	Problem being studied is well-defined	Poor	Lacking	Satisfactory	Good	Excellent	
		Hypotheses are clear and testable	Poor	Lacking	Satisfactory	Good	Excellent	
		Strong link between aims and problem resolution	Poor	Lacking	Satisfactory	Good	Excellent	
	Significance	Literature has been synthesized to identify a knowledge gap and critical need	Poor	Lacking	Satisfactory	Good	Excellent	
		Scientific merit is clearly communicated and compelling	Poor	Lacking	Satisfactory	Good	Excellent	
	Innovation	Novel aspects of project and their advantages over status quo are well-described	Poor	Lacking	Satisfactory	Good	Excellent	
	Approach	Methods are well-reasoned, feasible, and appropriate to accomplish aims	Poor	Lacking	Satisfactory	Good	Excellent	
		Anticipated sample size (number of observations) are given with justification	Poor	Lacking	Satisfactory	Good	Excellent	
		Benchmarks for success are clearly described	Poor	Lacking	Satisfactory	Good	Excellent	
		Potential problems and alternative strategies are presented	Poor	Lacking	Satisfactory	Good	Excellent	
	Writing Quality	Grammar and composition made content easy to understand	Poor	Lacking	Satisfactory	Good	Excellent	
		Background information enabled content to appeal to a broad audience	Poor	Lacking	Satisfactory	Good	Excellent	
		Figures complement text and enhance messaging	Poor	Lacking	Satisfactory	Good	Excellent	
		Strong organizational strategy made proposal easy to follow	Poor	Lacking	Satisfactory	Good	Excellent	
	Oral Examination	Slides	Overview of proposal presented in a logical sequence that listener easily followed	Poor	Lacking	Satisfactory	Good	Excellent
			Project need was clearly established and compelling	Poor	Lacking	Satisfactory	Good	Excellent
Novel aspects of the project are highlighted and useful.			Poor	Lacking	Satisfactory	Good	Excellent	
Project approach is convincing and feasible.			Poor	Lacking	Satisfactory	Good	Excellent	
Speaking		Talk was polished, well paced, well modulated, with good eye contact.	Poor	Lacking	Satisfactory	Good	Excellent	
		Knowledge of proposal was clearly demonstrated during Q&A	Poor	Lacking	Satisfactory	Good	Excellent	

Written Examination

Overall, has the student demonstrated proficiency in writing a grant proposal? Yes No

Oral Examination

Overall, has the student demonstrated proficiency in communication technical concepts? Yes No

Other Comments