

Department of Industrial and Systems Engineering

Health Systems Engineering Area Group PhD Qualifying Exam Scoring Rubric

	5 Exceeds Expectations	4	3 (Meets Expectations)	2	1 Below Expectations	Comments	Score
Ability to demonstrate depth of knowledge regarding the topic area	Displays exceptional knowledge of the breadth and depth of the relevant literature		Demonstrates reasonable knowledge of the literature, but some gaps are evident (breadth or depth)		Demonstrates minimal knowledge of the literature and numerous gaps are evident.		
Ability to demonstrate comprehensive understanding of the HSE context of the specific problem/topic area	Demonstrates exceptional understanding of the HSE context related to the topic area		Demonstrates reasonable understanding of the HSE context related to the topic area		Demonstrates minimal understanding of the HSE context related to the topic area		
Ability to assess, and identify gaps within the current state of knowledge regarding their specific problem/topic area	Identifies numerous strengths (design principles) and weaknesses (gaps) in the literature		Identifies 3 to 5 strengths and weaknesses in the literature.		Only presents a minimal number of strengths and weaknesses in the literature.		
Ability to synthesize the current state of knowledge regarding their specific problem/topic area	Presents an excellent synthesis of the literature		Presents an organized literature with some limited synthesis		Unable to present a synthesis of the literature		
Ability to select and appraise methods or tools to address gaps within the current state of knowledge regarding their specific problem/topic area	Presents a detailed and thorough proposal of appropriate methods and tools to address gaps within the current state of knowledge		Presents a proposal of methods and tools to address gaps with limited description		Mentions methods and tools, with little description and only vague connections to the gaps within the current state of knowledge		