

Assessment of Abilities					
Doctor of Philosophy (PhD)					
Name:		Student I.D.:		Semester:	
Graduate Committee:	Chair/Adviser				
	Member 1				
	Member 2				
	Member 3				
Outcome	Assessment of Abilities Score (1-5 scale)				
	Chair	Member 1	Member 2	Member 3	Average
Apply knowledge of mathematics, science, and engineering to solve advanced-level engineering problems in civil engineering.					
<i>Comments:</i>					
Organize and deliver effective communications.					
<i>Comments:</i>					
Locate and evaluate pertinent published literature relevant to a given topic, and apply the information gained to a design, analysis, or research effort.					
<i>Comments:</i>					
Design and conduct experiments, and analyze and evaluate the resulting data.					
<i>Comments:</i>					
Develop an original and unique contribution to the extant body of knowledge concerning the dissertation topic area.					
<i>Comments:</i>					

Assessment of Abilities

Doctor of Philosophy

Rubric Scoring Guide

Outcome	1	2	3	4	5
Apply knowledge of mathematics, science, and engineering to solve advanced-level engineering problems in civil engineering.	<i>Solutions contain numerous errors and show no creativity or innovation</i>	<i>Solutions contain errors and show little creativity or innovation</i>	<i>Solutions mostly correct but show little creativity or innovation</i>	<i>Solutions correct and show some creativity and/or innovation</i>	<i>Correct solutions which exhibit a high degree of creativity and/or innovation</i>
Organize and deliver effective communications.	<i>Written and verbal work is poorly organized and poorly delivered</i>	<i>Written and verbal work is organized, but poorly delivered</i>	<i>Written and verbal work is organized and adequately delivered</i>	<i>Written and verbal work is well organized and well delivered</i>	<i>Written and verbal work is well organized and excellently delivered</i>
Locate and evaluate pertinent published literature relevant to a given topic, and apply the information gained to a design, analysis, or research effort.	<i>Review is incomplete, poorly evaluated, and misapplied</i>	<i>Review is fairly complete, minimally evaluated, and fairly applied</i>	<i>Review is substantially complete, adequately evaluated, and adequately applied</i>	<i>Review is complete, well evaluated, and well applied</i>	<i>Review is complete, excellently evaluated, and excellently applied</i>
Design and conduct experiments, and analyze and evaluate the resulting data.	<i>Design is missing; experiments conducted with significant errors; data analysis is superficial; evaluation of results is incomplete</i>	<i>Design is incomplete; experiments conducted with errors – but errors are noted; data analysis is superficial; evaluation of results is superficial</i>	<i>Design is adequate; experiments conducted correctly; data analysis complete; results evaluated adequately</i>	<i>Design is appropriate; experiments conducted correctly; data analysis and evaluation of results are well done</i>	<i>Design is innovative; experiments conducted flawlessly; data analysis and evaluation of results are conducted excellently</i>
Develop an original and unique contribution to the extant body of knowledge concerning the dissertation topic area.	<i>Contribution is poorly defined; originality is highly questionable and/or not demonstrated.</i>	<i>Contribution is adequately defined; originality is not clearly demonstrated.</i>	<i>Contribution is clearly defined and documented; originality is clearly demonstrated.</i>	<i>Contribution is well defined; while clearly original and unique, does not necessarily significantly advance the body of knowledge.</i>	<i>Contribution is excellently defined; is clearly original, and also innovative, substantially advancing the body of knowledge.</i>