Assessment of Abilities

Master of Science in Civil Engineering (MSCE)

Non-Thesis Option

Name:		Student I.D.:		Semester:	

Graduate Committee:	Chair/Adviser	
	Member 1	
	Member 2	
	Member 3	

Outcome	Assessment of Student Academic Portfolio			
	Class **Final Exam**	Assignment / Question	Points Possible	Points Earned
Apply knowledge of mathematics, science, and engineering to **solve** advanced-level engineering problems in civil engineering.				
Comments:				
Locate and **evaluate** pertinent published literature relevant to a given topic, and **apply** the information gained to a design, analysis, or research effort.				
Comments:				
Organize and **deliver** effective communications.				
Comments:				
Design a system, component, or process to meet desired needs.				
Comments:				
Design and **conduct** experiments, and **analyze** and **evaluate** the resulting data.				
Comments:				

Graduate Portfolio
(MS - Non-Thesis Option)

The Graduate Portfolio provides evidence of attainment of the Student Learning Outcomes (SLO) for the graduate programs in the Department of Civil Engineering. It is the responsibility of the graduate candidate to select and archive his/her graded work which demonstrates SLO attainment. The candidate's graduate academic adviser will coordinate a review of the Portfolio and the preparation of an Assessment of Abilities (AA) form prior to the granting of a graduate degree.

The student should archive graded work – including exams, homework assignments, projects, papers, etc. – which demonstrates achievement of the graduate Student Learning Outcomes:

1. **Apply** knowledge of mathematics, science, and engineering to **solve** advanced-level problems in civil engineering.
2. **Locate** and **evaluate** pertinent published literature relevant to a given topic, and **apply** the information gained to a design, analysis, or research effort.
3. **Organize** and **deliver** effective communications.
4. **Design** a system, component, or process to meet desired needs.
5. **Design** and **conduct** experiments, and **analyze** and **evaluate** the resulting data.

Students are encouraged to maintain a binder (or other suitable format) subdivided by SLO, in which graded work is archived. It is preferable to include 2-4 work items per SLO in the portfolio, if possible, drawn from a cross-section of the student's educational activities and courses. Portfolios may be maintained and submitted electronically, using scanned copies of graded work; however, such electronic portfolios should be well organized, and provide a reviewer clear indication of which work pertains to specific learning outcomes.

In all cases, students are strongly encouraged to work closely with the academic adviser to ensure the Portfolio reflects the students' abilities and accomplishments *throughout their graduate programs*. **It is not advisable to neglect the Portfolio and try to create it at the end of the graduate program**.