

ASSESSMENT of LOs through MEng PROJECT DEFENSE or EXIT INTERVIEW

Program _____

Candidate Name: _____ Date: _____

Project Title/Exit Interview: _____

Evaluation/Guidance	Does Not Meet Expectations	Meets Expectations	Exemplary Performance
<i>Project and Coursework Tracks</i>			
1. Problem Definition: Has stated the problem clearly, providing motivation for seeking a solution (LO1)			
2. Literature and Previous Work: Demonstrated sound knowledge of literature in the area, and of prior work on the specific problem (LO1)			
3. Solution Approach: Has applied sound state-of-the art methods/tools to solve the defined problem and has described the methods/tools effectively (LO2)			
4. Results: Analyzed and interpreted available results/data effectively (LO2)			
5. Critical Thinking: Has demonstrated capability for independent work in the area of study and expertise in the area (LO2)			
6. Quality of Written Communication: Communicates results clearly and professionally in written form (LO3)			
7. Quality of Oral Communication: Communicates results clearly and professionally in oral form (LO3)			
<i>Project Track Only</i>			
8. Impact of Project: Demonstrated the potential value of the project and proposed solution to advancing knowledge within the area of study (LO1)			
9. Publications: Journal or conference publications have resulted, or are anticipated, from this project (LO3)			

Overall Assessment: The assessment of the overall performance of the candidate based on the evidence provided in items 1 through 9 above.

Criteria	Performance ratings		
	DOES NOT PASS DEFENSE EXAM	PASSES DEFENSE EXAM	
OVERALL, My rating of the assignment:	Does not meet expectations	Meets Expectations	Exemplary Performance

Name of the Examining Committee Member: _____

Signature of the Examining Committee Member: _____ Date: _____

Graduate program learning outcomes/student outcomes for the Master of Engineering (project and coursework tracks)
Master of Engineering in Civil, Environmental, or Mechanical Engineering

The Master of Engineering is a non-thesis professional degree, based primarily on course work and/or on an engineering project designed with the guidance of a faculty advisor to address a need or problem specific to the engineering field of study (Civil, Environmental, or Mechanical Engineering). This degree program is designed to provide a broad, practice-based education.

LO1: Demonstrate the ability to apply graduate level critical thinking skills to formulate and solve advanced civil (computer science/electrical/environmental/mechanical) engineering problems.

- Acquires knowledge on advanced contemporary engineering topics and computational tools specific to civil/environmental/mechanical engineering.
- Develops the ability to identify, formulate, and solve relevant advanced civil/environmental/mechanical engineering problems.
- Develops the ability to synthesize, explain, verify, and justify solutions to complex civil/environmental/mechanical engineering problems.

LO2: Demonstrate the ability to, independently and creatively, design, plan, and conduct complex civil /environmental/mechanical engineering projects;

- Assesses the state of the art in the field of study.
- Applies, independently and creatively, appropriate engineering theories and tools towards developing a viable solution for the project.
- Designs and conducts activities specific to the project.

LO3: Demonstrate the ability to communicate effectively the results of a comprehensive research project through oral presentations and publications.

- Creates a report reflecting the integration of knowledge acquired through the project.
- Delivers an oral presentation to peers summarizing the work performed on the project and its outcomes.
- Synthesizes and presents the relevance of the engineering project in both technical and non-technical terms.

Assessment

1. Master of Engineering Project
2. Exit interview on completed coursework