

## Assessment Rubric for Coursework Only Masters Programs in Civil & Environmental Engineering: MCE and MEVE

(To be completed by the student and graduate assessment committee and retained in the student file)

**Student: Complete shaded areas only**

|                                                                                                                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Student:                                                                                                                                                                                                                     | Date:  |
| U#:                                                                                                                                                                                                                          | Email: |
| Concentration Area: <input type="checkbox"/> Structures & Materials <input type="checkbox"/> Water Resources <input type="checkbox"/> Transportation <input type="checkbox"/> Geotechnical <input type="checkbox"/> Environ. |        |

**To be completed by each committee member after review of the portfolio:**

**\*Rating scale (5 = Excellent, 4= Very Good, 3 = Proficient, 2= Does not meet requirement, 1= Component missing or very poor)**

**OUTCOME 1: The department's masters graduates will demonstrate an ability to plan, compose and integrate verbal, written, virtual and graphical communication of a project to technical and non-technical audiences.**

| Component A: Written Communication Skills                                                                                                                                                                                                                 | 5 | 4 | 3 | 2 | 1 | Provide a brief description of the item submitted: |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|----------------------------------------------------|
| The student has written a report that demonstrates an ability to plan, compose and integrate written and graphical communication of a project. The graduate assessment committee has rated this student's written communication skills on a scale of 1-5. |   |   |   |   |   |                                                    |

| Component B: Oral Communication Skills                                                                                                                                                                                                      | 5 | 4 | 3 | 2 | 1 | Provide the following:                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The student has provided documentation that they have given an oral presentation in a public forum. (e.g. class, graduate seminar, public meeting).The graduate assessment committee has rated this student's presentation, on a scale 1-5. |   |   |   |   |   | Title:<br>Date talk was given:<br>Location:<br>Name & email of person who can verify that talk was given if necessary:<br><br>Attach slides, poster or other documentation. |

**OUTCOME 2: The department's master's graduates will demonstrate an ability to formulate and solve complex problems in an appropriate sub-discipline of Civil and Environmental Engineering using relevant data and techniques.**

| Component A: Background                                                                                                                                                                                                                                                                        | 5 | 4 | 3 | 2 | 1 | Provide a brief description of the item submitted: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|----------------------------------------------------|
| The review of the background information and related research is drawn from acceptable journals, reports, textbooks, etc. The review presents a clear understanding of the problem and provides a rationale for the project objectives.                                                        |   |   |   |   |   |                                                    |
| Component B: Methods                                                                                                                                                                                                                                                                           | 5 | 4 | 3 | 2 | 1 |                                                    |
| The project design follows logically from the objectives. The process by which the data was generated, gathered, recorded and analyzed is appropriate and clearly described. For theoretical projects, a sound analysis including model development, calibration and verification is provided. |   |   |   |   |   |                                                    |
| Component C: Findings and Conclusions                                                                                                                                                                                                                                                          | 5 | 4 | 3 | 2 | 1 |                                                    |
| The findings build logically from the problem statement, objectives and methods. All salient data and/or model results are accounted for. The interpretations and conclusions are justified by the results.                                                                                    |   |   |   |   |   |                                                    |

**\*A score of 2 or 1 on a component will require the student to resubmit that component and may delay graduation.**