School of Civil & Mechanical Engineering

Assessment and Feedback Specification

Unit: Civil Engineering Research Project 1
Title: 2. Oral Presentation
Activity: The oral presentation is where you first formally present your project to an assessing panel consisting of your supervisor, unit coordinator, academic or industry persons and a peer group. This is a 15 minute presentation (including 10 minutes of Q&A).
ULO 1: Identify, plan and commence a project that leads to the solution of an authentic civil engineering problem.
ULO 4: Reflect upon and critically review project work and apply advanced communication skills to convey progress
ULO 5: Interpret and apply selected research literature in the solution of engineering problems.
Level of Learning: Synthesis
For a detailed Assessment description and specification of work to be done see CVEN4003Oral_feedback_final_v2.pdf **and refer to details here**

Assessment criteria and marking distribution and Engineers Australia competencies addressed
Value of the assessment based on the rubric provided below 15%
The total assessment mark awarded is made up of the marks awarded to each element assessed.
Each item of the assessment in the rubric shows the EA competencies (**ENGINEERS AUSTRALIA Stage 1 competencies**) to be demonstrated. 'Level of learning' (**Levels of learning**) is specified for those elements of the assignment when it is appropriate.

Detailed guidelines and feedback

This rubric sets out assessment expectations so that you will be aware of the competencies to be developed and the expected standards. This table will also be used for assessing your work and is consistent with the Marking Rubric provided on BlackBoard (see page 2). Feedback will be via the Feedback rubric (see attached), the online marking rubric and recorded feedback at the time of the presentation.

Item	Engineers Australia competencies 1 and Level of Learning 2	Excellent standard (meets all expectations set out below)	Competency range Highest Lowest	Unsatisfactory standard (fails to meet minimum expected)	Percentage of assessment
Identify a Project	*1.3.Specialist knowledge 1.5. Context 1.6 engineering practice*	*Project reflects an appreciation of current issues in and impacting civil engineering.*	⟵├─┼─┼─┼─┤⟶	*Project not relevant to the civil engineering profession with no useful or useable outcomes.*	*26.7*
Plan a Project	*2.4 Project management*	*A project management approach has been taken. A clear project plan with realistic milestones has been presented.*	⟵├─┼─┼─┼─┤⟶	*No project plan. Plan is unclear. Plan does not have adequate milestones or is unrealistic.*	*26.7*
Commence a Project	*2.4 Project management 3.5 Self-conduct*	*The project has been started.*	⟵├─┼─┼─┼─┤⟶	*Little or no evidence of commencement.*	*6.7*
Project work reflected upon / critically reviewed	*3.5 Self-conduct*	*Evidence of reflective practice shows acknowledgement of progress and issues leading to modified actions*	⟵├─┼─┼─┼─┤⟶	*No evidence of reflective practice or reflection only at Gibb's descriptive level.*	*13.3*
Progress is Communicated with Advanced Skill	*3.2 Communication*	*High quality presentation and responses to questions. Referencing appropriate. Grammar, spelling and syntax good.*	⟵├─┼─┼─┼─┤⟶	*Unacceptable presentation or response to questions. Referencing inadequate or incorrect. Too many grammatical errors.*	*13.3*
Research literature interpreted	*1.4 Development & research 3.4. Information use*	*Relevant research literature interpreted. A variety of sources / authors.*	⟵├─┼─┼─┼─┤⟶	*No evidence of relevant research literature, or literature cited but not interpreted.*	*6.7*
Research literature applied	*1.4 Development & research 3.4. Information use*	*Links made between the research literature and project.*	⟵├─┼─┼─┼─┤⟶	*No links between research literature and project.*	*6.7*

Expected time required <u>after completion of all necessary preparation</u> to complete this assessment 4 hours of focused work. This time estimate is for the preparation, practice and attendance of a presentation session only.

Rubric Detail

*Select **Grid View** or **List View** to change the rubric's layout. More Help*

Name: **Oral Presentation Rubric**

Description: **The oral presentation is where you first formally present your project to an assessing panel consisting of your supervisor, unit coordinator, academic or industry persons and a peer group. This is a 15 minute presentation (including 10 minutes of Q&A).**

Exit

Grid View List View

	Fail	Pass	Credit/Distinction	Distinction/ HD
Identify a project	**0** (0%)	**2** (13.33%)	**3** (20%)	**4** (26.67%)
Plan a project	**0** (0%)	**2** (13.33%)	**3** (20%)	**4** (26.67%)
Commence a project	**.25** (1.67%)	**.5** (3.33%)	**.75** (5%)	**1** (6.67%)
Reflect on /critically review project work	**.5** (3.33%)	**1** (6.67%)	**1.5** (10%)	**2** (13.33%)
Progress is communicated with advanced communication skills	**.5** (3.33%)	**1** (6.67%)	**1.5** (10%)	**2** (13.33%)
Interprets research literature	**.25** (1.67%)	**.5** (3.33%)	**.75** (5%)	**1** (6.67%)
Applies research literature	**.25** (1.67%)	**.5** (3.33%)	**.75** (5%)	**1** (6.67%)

Oral Presentation

The oral presentation is where you first formally present your project to an assessing panel consisting of your supervisor, unit coordinator, academic or industry persons and a peer group. This is a 15 minute presentation (including 10 minutes of Q&A).

Feedback rubric:

ULO 1.   Identify, plan and commence a project that leads to the solution of an authentic civil engineering problem

ULO 1	Descriptor	Fail	Pass Significant changes required	Pass Only a few changes	Pass No or very minor changes
Identify a project	A project with useful and useable outcomes has been identified	o No project or no useful or useable outcomes have been identified	useful or useable outcomes need significant work to be identified	useful or useable outcomes need some work to be identified	o A project with useful and useable outcomes has been identified
	Research Question	o No Research Question or does not meet most of the 6 properties of a good research question.	Question with revision could clarify the (3 or more) missing / incomplete / unclear properties.	Question with minor revision could clarify the missing / incomplete / unclear properties.	o Research Question has been well constructed and meets most / all 6 properties of a good research question.
	Methodology	o No Methodology is given	Methodology description - little rationale	Methodology with rationale	o A Methodology description and rationale has been identified.
	The project requires technical/ engineering content that has been garnered during the rest of the students engineering studies.	o The project does not require technical / engineering content	o The project requires some technical / engineering content, and *significant work is still required* to scope the project so that greater technical / engineering content is required.	o The project requires some technical / engineering content, and *only a small amount of work is required* to scope the project so that greater technical / engineering content is required.	o The project requires a sound understanding of technical /engineering content at graduate level.
	The relevance of the project to the civil engineering profession is explained.	o The project is not relevant to the civil engineering profession	o An explanation of the relevance of the project to the civil engineering profession is given, but *significant work is still required* to scope or describe the project so that it is seen as relevant to the civil engineering profession.	o An explanation of the relevance of the project to the civil engineering profession is given, and *only a small amount of work* is required to scope or describe the project so that it is seen as relevant to the civil engineering profession.	o The project is relevant to the engineering profession. No further changes or very minor changes to the project scope are required.
	The identified project has scope for the student to show independent thinking.	o Little independent thinking is required to complete the project	o The project has the potential for the student to demonstrate independent thinking, but *significant work is still required* to scope or describe how the student will demonstrate independent thinking in the development of the project solution.	o The project has the potential for the student to demonstrate independent thinking, and *only a small amount of work is still required* to scope or describe how the student will demonstrate independent thinking in the development of the project solution.	o The project has scope for the student to show independent thinking. No further changes or very minor changes to the project scope are required.
Plan a project	The project has defined boundaries, and appears to be possible to complete within the project time frame.	o The project scope cannot be completed within the two semester time frame	o It could be *possible* to complete the project within two semesters, but *significant work is still required* to determine the project scope.	o With *only a small amount of work*, the project seems feasible to be completed within two semesters.	o With *no or very minor* changes, the project seems feasible to be completed within two semesters.
	A clear plan for the project is presented (see below for *content* of the project plan)	o No project plan is presented or the plan in unclear	o A project plan has been presented, but *significant work is still required* to make it clear, feasible and straightforward and easy to follow.	o A project plan has been presented and *only a small amount of work is still required* to make it clear, feasible and straightforward and easy to follow.	o A clear, feasible, straightforward and easy to follow plan for the project is presented. No further changes or very minor changes are required.
	The plan includes milestones, relevant industry contributions and scheduled periods of review.	o There is no project plan, or the project plan doesn't list milestones or has unrealistic timings.	o A project plan has been presented, but *significant work is still required* to include all expected elements of a project and realistic timings	o A project plan has been presented and *only a small amount of work is still required* to include all expected elements of a project and realistic timings	o The project plan includes realistic milestones, relevant industry contributions and scheduled periods of review.
Commence a project	Evidence of project commencement is presented:	o Little or no evidence of commencement	o Evidence of commencement of project work	o Evidence of outcomes-focussed commencement of project work	o Evidence of significant outcomes-focussed commencement of project work.

ULO 4.   Reflect upon and critically review project work and apply advanced communication skills to convey progress

ULO 4	Descriptor	Fail	Pass Significant changes required	Pass Only a few changes	Pass No or very minor changes
Reflect on /critically review project work	Evidence of reflection is presented	o No reflection – just a Description / list or log of what was done	o Evidence of reflection includes Analysis: what worked, what didn't work, what could be done better.	o Evidence of reflection including Analysis and Conclusion; o Unclear or missing Action Plan	o Evidence of reflection includes Analysis, Conclusion and Action Plan and evidence of enacted Action Plan (Log Book)
Progress is communicated with advanced communication skills	The interaction with the panel and the oral presentation used professional English	o Level of presentation not appropriate for a professional audience o Inappropriate grammar, vocabulary or slang distracts from clarity of presentation.	o With some work, the level of presentation could be made to be generally appropriate for a professional audience. o For the most part, appropriate grammar, sentences and vocabulary are used. The intended meaning is sometimes not clearly expressed.	o Level of presentation is generally appropriate for a professional audience. o For the most part, appropriate grammar, sentences and vocabulary are used.	o Level of presentation is appropriate for a professional audience. o Sentences are complete and grammatical. They flow together easily. Engineering terms are well chosen; they express the intended meaning precisely
	The presentation ran to time.	o The presentation ran more than 1 minute over time			o The presentation was no more than 6 minutes.
	Questions were answered professionally	o Questions were not	o Answers, when known, were given to questions o When not known, the presenter was able to talk a bit about the question.	o Answers, when known, were given to questions o When not known, the presenter was able to engage in a conversation with the questioner about the question	o Answers, when known, were given to questions o When not known, the presenter was able to engage in a conversation with the panel about the question. Relevant information was produced which illuminated the question.

ULO 5.   Interpret and apply selected research literature in the solution of engineering problems

ULO 5	Descriptor	Fail	Pass Significant changes required	Pass Only a few changes	Pass No or very minor changes
Interprets research literature	Evidence of relevant research literature in the presentation	o No evidence of relevant research literature in the presentation o Unreliable sources used. o Incorrect interpretation of literature	o At least some research literature has been cited, but the range of sources is limited or some misinterpretation	o Some research literature has been cited, and a variety of sources/authors is used.	o Relevant research literature to justify the project's methodology and direction has been cited and a variety of sources/authors is used.
Applies research literature	Shows how academic research is informing the aims/scope/methodology and solution of the problem.	o There doesn't appear to be a link between the quoted research and the project	o Links between the quoted research and the project are hinted at, rather than explicitly made	o Some links between the quoted research and the project were made.	o Links between the quoted research and the project were clearly made