

ENGG105 Final design proposal marking criteria (Milestone 5)

Team Name: _____

Report Author Names: _____

Reviewer Details: _____

PART 1 Report Structure and overall design proposal

Area	Good (8-10)	Acceptable (5-7)	Poor (<5)	Mark
Response to Client Brief	Highlights consideration of client needs (e.g. priorities, preferences, ideals, background etc.) throughout the report. Overall design proposal is clearly driven by client needs.	Outlines important client factors considered in the overall design proposal.	Limited consideration of client needs. Overall design proposal is not driven by client needs.	/10
Creativity in overall design	Creates a unique design proposal, or adapts existing technologies in an innovative and context-appropriate way.	Develops a well-conceived and context-appropriate design proposal. The design may be similar to other readily available engineered solutions and technologies.	Copies a well-known idea without adding value or clearly articulating the appropriateness of the idea for the application.	/10
Cohesion of design proposal	Components of the design undertaken by individual team members are seamlessly integrated into the overall design.	Components of the design undertaken by individual team members are well integrated into the overall design. Some conflicting design decisions/details may be evident.	Overall design proposal appears to be a compilation of individual work and is not well integrated.	/10
Report Structure	Report is well structured with appropriate section breaks and numbering. All figures and tables are of high quality, add useful information and are appropriately integrated. Title page, table of contents, and appendices included. Consistent referencing with in-text citations (numerical OR author-date) and detailed reference list.	Report is well structured but may contain some inconsistencies or omit important sections. Figures and tables are of good quality, some may not be effectively integrated into the report. Consistent referencing with in-text citations (numerical OR author-date) and detailed reference list.	Report is untidy and/or difficult to read. Contains visuals that are of a poor standard and are not integrated into the report. Referencing is inconsistent and does not clearly identify source information and where it is used within the report.	/10
Language (writing style, spelling and grammar)	Uses formal language in the 3 rd person. Writing is clear and concise. Contains very few spelling or grammatical errors.	Uses occasional informal language and may write in the 1 st person (frequently uses 'we', 'I', 'us', 'our group' etc.). Contains some minor grammatical and/or spelling errors.	Frequently uses informal or inappropriate language. Some sentences don't make sense. Contains many spelling and/or grammatical errors.	/10
Self/peer assessment will be used to adjust the final report mark for individual contributions				Total /50

PART 2 Specific aspects of the design

Area	Good (8-10)	Acceptable (5-7)	Poor (<5)	Mark
Research and design decisions	Goes beyond course materials and client brief to inform and develop the design. Cites a range of information from different sources and integrates this into the design process. Design decisions are clearly justified, and well founded.	Goes beyond course materials and client brief to inform and develop the design. Cites a range of information from different sources and integrates this into the design process. Key decisions in the design process are not evident in the report.	Limited reference to information sources beyond course materials. Design ideas and decisions poorly supported or unsupported by research.	/10
Detailed design	Design is sufficiently detailed to make a determination on its likely feasibility. Aspects of the design requiring further development or testing are identified, and suggestions made for possible improvements. Design is at a stage where a working prototype or design ready for implementation could be developed with expert input.	Design is sufficiently detailed to make a determination on its likely feasibility. Aspects of the design requiring further development or testing are identified. Design may require more thought or significant reworking before further development toward prototype/construction stage.	Design is unworkable or not near completion. Important aspects of the design have not yet been considered.	/10
Design Drawings and Specifications	Design drawings and specifications are of a high standard and complete. Drawings and Specifications should enable a third party to interpret the design.	Design drawings and specifications are adequate to demonstrate the design concept. Would require significant additional explanation to communicate to a third party.	Drawings and specifications are incomplete or inconsistent and provide insufficient clarity on the design to progress it further.	/10
Costing and Sustainability	Conducts a detailed Cost-Benefit Analysis clearly highlighting the financial, environmental, and social costs or benefits. Financial, social and environmental impacts are defined and explained. Sustainability is a key consideration of the design. Report provides evidence to support claims in regards to the financial, social, and environmental impact of the design.	Conducts Cost-Benefit Analysis that clearly highlights the financial, environmental, and social costs or benefits, but may lack detail or omit obvious factors. Sustainability is a key consideration of the design, however, the report provides limited evidence to support claims.	Cost-Benefit Analysis is basic and does not consider the financial, environmental AND social costs or benefits. Design is unlikely to support a sustainable outcome, or claims as to the sustainability of the design are unfounded.	/10
Safety and ethical considerations	Detailed consideration of the safe and appropriate use of the design. Discusses features of the design that ensure safe operation and long term use. Evidence of ethical considerations in the design with reference to the EA Code of Ethics.	Considers the safe and appropriate use of their design. Discusses features of the design that ensure safe operation. Limited evidence of ethical considerations in the design.	Limited consideration of safety in the design. Ethical considerations do not make reference to the EA Code of Ethics, or have not been undertaken.	/10
The final report mark for each individual will be adjusted on the basis of contributions				Total /100