

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project

ASSIGNMENT: Interim Viva

STUDENT: Anthony Hau

DATE: 11/12/18

This section details the assessment criteria. The extent to which these are demonstrated by you determines your mark. The marks available for each criterion are shown. Lecturers will use the space provided to comment on the achievement of the task(s), including those areas in which you have performed well and areas that would benefit from development/improvement.

Common Assessment Criteria Applied	Marks available	Marks awarded	% Awarded
1. Research-informed Literature (Extent of research and/or own reading, selection of credible sources to support the aims of the project) Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.			
50-59%: Inclusion of a range of research-informed literature, including sources retrieved independently. Referencing conventions mostly consistently applied. <i>Evidence of relevant supporting reading or similar investigations and current design reviews, which you talked around slides to explain. Regulation review to highlight changes required - but you could have demonstrated a more detailed understanding of these. A little more research into the context and requirements of the problem.</i>	15	8.7	58
2. Knowledge and Understanding of Subject (Ability to identify problems within, and technical direction of the project) Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.			
50-59%: Knowledge is accurate with a good understanding of the field of study. <i>Good to target existing balance of aerodynamic loads given no other feedback. Aero efficiency is a reasonable target. Understanding of results is good, but could be more detailed in places to explain the results with evidence from post processing. DOE principles understood but needed further explanation.</i>	15	8.7	58
3. Analysis (Technical content of experimental and analytical work already completed and project relevance and merit) Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence.			
70-80%: Thoroughly logical work, supported by evaluated evidence. High quality analysis, developed independently or through effective collaboration. Ability to investigate contradictory information and identify reasons for contradictions. Strong, persuasive, conclusions, justifiable recommendations <i>MIRA validation study complete to benchmark CFD methodology for external aerodynamics. You could have presented the results from this study to show how you arrived at the proposed methodology. You could have also overlayed the experimental and CFD results. Excellent development of the CAD model into a usable geometry with some good very good investigations completed. DOE attitude results are very good and interesting - these require further analysis.</i>	35	25.2	72
4. Practical Application and Deployment (Organisation and Planning of the project) Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.			
60-69%: A very good application of a range of methods, materials, tools and/or techniques. Very good consideration of the context of the application, with perceptive use of examples, where relevant. Evidence of some innovation and creativity. You have made excellent progress to date. You need to consider the future project direction and focus your investigations on realistic scenarios and use this analysis to highlight the most significant areas for improvement.	10	6.2	62
5. Skills for Professional Practice (Quality of presentation and success in communicating the aims and scope of the project) Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.			
50-59%: Can communicate effectively in a suitable format, but may have minor errors. Can work effectively as part of a team, with clear contribution to group activities. Mostly coherent work and is in a suitable structure. <i>Very nervous start - improved through presentation. Clear slides. Results for CFD runs such as attitude studies would have been good on graphs rather than table. Slides would benefit in places from diagrams - these could have been used to explain regulations.</i>	25	14.5	58
Assignment Mark (Assessment marks are subject to ratification at the Exam Board. These comments and marks are to give feedback on module work and are for guidance only until they are confirmed.)	Late Submission Penalties (tick if appropriate) Up to one-week late Over one week late		63.3 %