

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project

ASSIGNMENT: Final Viva

STUDENT: Oscar Hardwick

DATE: 8/5/19

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 (research/literature survey) Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions. 70-79%: Inclusion of a wide range of research-informed literature, including sources retrieved independently. Selection of relevant and credible sources. Very good use of referencing conventions, consistently applied. <i>Relevant references on slides used to inform methods- these were referred to in discussions and used to justify choices with your own findings. Good to see some of your results compared directly to existing sources.</i>	10	7	70
2. Knowledge and Understanding of Subject (ability to identify problems) 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 CFD process knowledge and simulation aspects well considered. General relevance to real world applications was well appreciated. Depth of knowledge of aerodynamic details could be more convincing.</i>	10	5.75	58
3. Analysis (Technical ability, analytical content and ability) Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence. 50-59%: Evidence of some logical, analytical thinking and synthesis. Can analyse new and/or abstract data and situations without guidance. An emerging awareness of different stances and the ability to use evidence to support the argument. Valid conclusions and recommendations where relevant. <i>Good to see a simulation developed based on validation case to benchmark your simulation approach. Ahmed results could have been presented more clearly (even if just best run). Good to see outlier results identified, but this could have been investigated further.</i>	30	17.3	58
4. Practical Application and Deployment (progression/achievement, ability to draw conclusions and understand results) Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems. 50-59%: A good and appropriate application of standard methods, materials, tools and/or techniques. Good appreciation of the context of the application, with some use of examples, where relevant. Some interesting results around the MIRA baseline geometry. CFD methods appear to be reasonable and applied with some competence. However it would have been much better to have seen some windtunnel testing as well to support your computational work.	30	17.3	58
5. Skills for Professional Practice (communication and presentation, overall achievement and ownership of project) Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation. 70-79%: Can communicate professionally and, confidently in a suitable format. Can work professionally within a team, showing leadership skills as appropriate, managing conflict and meeting obligations. Work is coherent, very fluent and is presented professionally. <i>You spoke confidently and professionally around clear slides - well done Oscar. Some additional images and figures could have contextualised your results - show all variants tested.</i>	10	7	70
5. Skills for Professional Practice (Summary Poster) 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. <i>Poster could have summarised the work carried out much more concisely which would have allowed more space for images and highlight aspects of the work. (Bit busy)</i>	10	5.25	53
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		60 %