

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project	ASSIGNMENT: Dissertation Report
STUDENT: Simon Ellis Williams	DATE: 23/4/20

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.			
60-69%: 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>A range of relevant literature is cited to support your work and subject area knowledge. You have also used research to support the areas which were not completed by the project and used this to predict what your outcomes would have been. You could have directly compared the obtained results from simulations to those in existing studies to help give confidence to your conclusions.</i>	10	6.5	65
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.			
60-69%: Knowledge is extensive. Exhibits understanding of the breadth and depth of established views. <i>A good general knowledge of wing theory, but you could have further demonstrated a critical knowledge of the approaches implemented and the limitations of the results. The choices made could have been more clearly evidenced either through citations or supporting results analysis.</i>	10	6	60
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>You have conducted some reasonable analysis to develop a CFD method and assess the proposed wing profiles. Your validation model could have also been supported by further validation of wing data which would have helped justify the model setup and mesh strategy. This could have also been achieved by conducting the independancy studies on the wing geometry which you applied to the Ahmed body. Analysis of wing in it's application on vehicle and it's interaction with up stream devices should have been assesed. No evidence that the interaction with the diffuser has been considered.</i>	35	19.3	55
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. <i>You have developed a good basic CFD model and conducted some basic testing of the current wing profile. You could have made much more progress with end plate, position, gurney flap and twisted wing investigations and it was unrealistic that these could have all been completed in teh time remaining if the pandemic had not ocured. You could have made more progress during the second half of the project.</i>	35	19.3	55
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.			
60-69%: Can communicate well, confidently and consistently in a suitable format. Can work very well as part of a team, with very good contribution to group activities. Work is coherent and fluent and is well structured and organised. <i>Report is reasonably well presented, although there is some repetition and errors such as missing citations which could have been rectified through proof reading. Normally your report wouldn't give incorrect information and them ammend later (the error with the coefficients) you should have rectified this throughout the report. Some non original images not cited.</i>	10	6.25	63
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		57 %
	Over one week late		