

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project

ASSIGNMENT: Dissertation Report

STUDENT: John Hughes

DATE:

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.			
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>Wide range of references presented correctly in the reference list; these have been effectively embedded in your discussion of concepts and theories. You could have embedded more citations in the discussions of some results obtained to further give confidence in the conclusions drawn - end plate vortex structure did this well.</i>	10	7.75	78
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.			
80-100%: Highly detailed knowledge and understanding of the main theories/concepts, and a critical awareness of the ambiguities and limitations of knowledge. <i>A clear and detailed knowledge of aerodynamic principles, concepts and requirements is demonstrated. Circuit requirements of package could have been discussed for the specific circuits involved in a championship season to define 'window' required. Definition of own main profile based on findings from standard profiles indicates a deep understanding of the flow characteristics observed.</i>	10	8.5	85
3. Analysis (technical ability, analytical content and ability) Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence			
80%-100%: Exceptional work; judiciously selected and evaluated evidence. Very high quality analysis, developed independently or through effective collaboration. Ability to investigate contradictory information and identify reasons for contradictions. Highly persuasive conclusions <i>Multi level CFD validation is excellent and gives confidence in the methods applied. Detailed analysis of results with excellent conclusions drawn. Good critical analysis of results linking to the original application context. You should have retested the baseline geometry without shrouds for a direct comparison with proposed splitter design. Very good attitude studies.</i>	35	28.9	83
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.			
80-100%: Outstanding levels of application and deployment skills. Assimilation and development of cutting edge processes and techniques. <i>Advanced application of methods and you have conducted a vast amount of work to progress your initial ideas into a comprehensive study. DOE application for profile optimisation is excellent. Practical testing is to be commended. Excellent to see you develop from a non structured development process to a logical and detailed process which has clearly developed your knowledge.</i>	35	29.8	85
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.			
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>A very well presented report John. You have clearly thought about presentation of results and you have formatted the document in a professional manner. Some of the introduction is a little detailed in places. Report generally could be written more concisely which has led to you breaking the word count - some analysis could have been more direct - content removed could have been placed in appendices.</i>	10	7	70
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		82 %