

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project

ASSIGNMENT: Dissertation Report

STUDENT: Andrew Noble

DATE: 29/4/19

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 (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.			
80-100%: Outstanding knowledge of research-informed literature embedded in the work. Outstanding selection of relevant and credible sources. High-level referencing skills consistently and professionally applied. <i>Outstanding range of reading to support your knowledge, methods and conclusions, embedded within discussions and referenced correctly. '- be careful with the age of some of your references. For example you quote Saddington as saying that the wake form a rotating wheel is not well understood. However this is from 2007 - has anything changed since?</i>	10	8	80
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.			
70-79%: Excellent knowledge and understanding of the main concepts and key theories. Clear awareness of challenges to established views and the limitations of the knowledge base. <i>You demonstrate an excellent understanding of the main concepts and theories of your project, whilst taking a pragmatic approach when obtaining results to assess their significance. Your brake duct results could have also assessed the impact of the modifications on the outwash discussed later in the project.</i>	10	7.5	75
3. Analysis (technical ability, analytical content and ability) 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>Excellent use of a valid CFD method, supported through research and validation study to conduct your analysis. Conclusions drawn are valid. You could have conducted some investigatory runs to characterise design elements on flow regime positions. You could have also tested different turbulence models on your full vehicle runs to see how this effects the flow position. DOE study was a good idea for method definition but you appraised this appropriately and took an alternative approach.</i>	35	26.3	75
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.			
70-79%: An advanced application of a range of methods, materials, tools and/or techniques. The context of the application is well considered, with extensive use of relevant examples. Application and deployment extend beyond established conventions. Innovation and creativity evident throughout. You have demonstrated an excellent ownership of this project Andrew. Conclusions drawn from results are accurate and logical. Some further validation (although difficult given the sensitivity of existing results) could have led to a little more confidence in results. Results are presented in a clear manner and are explained very well. Methods are developed logically. '- It would have been good, as a result of this work, to conclude with some suggestions as to how the 2020 regulations could potentially be written to achieve what the 2019 regulations clearly have not.	35	26.3	75
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.			
80-100%: Can communicate with an exceptionally high level of professionalism. Can work exceptionally well and professionally within a team, showing advanced leadership skills. Work is exceptionally coherent, very fluent and is presented professionally. <i>A very professional report and clear account of the work conducted. Initial aims were clear, but these evolved. Aims could be a little clearer for the second section. This is presented very well and written in a clear and concise manner. '- Your report is a bit informal in places - for example when you describe cooling as a 'necessary evil'. Excellent piece of work Andrew.</i>	10	8	80
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		76 %