

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Major Project

ASSIGNMENT: Final Viva

STUDENT: Andrew Noble

DATE: 7/5/19

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.			
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>References specifically cited in background rationale for project. Clear citations have informed your CFD methods and to give confidence in results obtained., and other references on slides to support methods.</i>	10	9	90
2. Knowledge and Understanding of Subject (ability to identify problems) 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>You clearly understand the background of the components investigated and the context of the project. A deep understanding of tyre wakes and influence of front wing on onset flow demonstrated. Implications of results is appreciated - greater downforce but CoP compromised. Excellent responses to technical questioning which demonstrated your detailed understanding of both aerodynamic principles and CFD methods applied.</i>	10	8.75	88
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%: thorough 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>CFD validation approach via testing and research gives confidence in results. Good to see critical analysis of results with consideration to limitation of results based on geometry of wheel for ducts. Good to see comparison of rotating to stationary wheels on results. Excellent front wing runs, the specific geometries tested could have been given more justification.</i>	30	23.3	78
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. DOE application to CFD method development is interesting, although it's a shame that this wasn't successful. Clear conclusions drawn through the work carried out. The complex CFD runs are exemplary	30	26.3	88
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. 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>You spoke in a relaxed but professional manner, around well designed slides. Clear thought in presentation of results.</i>	10	8.75	88
5. Skills for Professional Practice (Summary Poster)			
80-100%: Can communicate with an exceptionally high level of professionalism. Can work exceptionally well and professionally within a team, showing advanced leadership skills. <i>Clear poster which summarises the project well. Some graphs a little small.</i>	10	8.5	85
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		85 %
	Over one week late		