

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Group Project
STUDENT: Oliver Duane

ASSIGNMENT: Report
DATE: 1/4/2019

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
1. Research-informed Literature (Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.) 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>You have selected an eclectic mix of references.</i> <i>You have broadly covered a lot of areas.</i>	10	6.5
2. Knowledge and Understanding of Subject (Extent of knowledge and understanding of concepts and underlying principles associated with the project) 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>You have a good broad understanding of many areas of vehicle dynamics.</i> <i>You appreciate the importance of mass distribution on vehicle handling/dynamics.</i> <i>You have some interesting suggestions. Perhaps following one or two in more detail whilst dropping others would be more rewarding.</i>	25	14.8
3. Analysis (For example - use of analytical calculations, Matlab, Excel FEA CFD, Wave, WinGeo3 etc.) 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 created a brake calculator. Could you have used it to find the ideal weight distribution under different decelerations? When you approach front wheel lock how much spare longitudinal (and hence lateral) grip exists? You have created a suspension calculator. How realistic are the values for motion ratio etc, are they linear? There does not appear to be values for tyre stiffness, natural frequency etc.</i> The investigation into the rate of changes in accelerations (jerk) should be explained.	25	13.8
4. Practical Application and Deployment (Design ideas, proposed design parameters and methods for evaluation of these ideas such as experimental work and simulation) 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. You appear to have had some disappointments due to vehicles and a 'good' simulation model not being available to validate your findings/opinions. Therefore you didn't perform any validation work.	20	11.6
5. Skills for Professional Practice (How well you worked as a group. Report presentation quality, project planning and organisation.) Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.		
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. Mostly coherent work and is in a suitable structure. <i>Please use report style numbering and page numbers to help the reader.</i> <i>It is good to see the use of graphs. When using a non-standard approach the graphs should be explained and perhaps annotated so you can support your argument.</i>	20	11
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	58 %