

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Group Project

ASSIGNMENT: Report

STUDENT: Zhaocong Sun

DATE: 1st April 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.			
50-59%: Inclusion of a range of research-informed literature, including sources retrieved independently. Referencing conventions mostly consistently applied. <i>An interesting list of papers on 'sliding test?' and modelling. Not so much on the application.</i> <i>There appear to be no citations within the text. Please show which reference was used when.</i>		10	5.5
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.			
60-69%: Knowledge is extensive. Exhibits understanding of the breadth and depth of established views. <i>You demonstrate knowledge and understanding of the vehicle dynamic equations. However you should develop knowledge of the application.</i> <i>Why did you choose to look at the suspension/vehicle response over a 'speed bump' this is probably not a requirement for this vehicle.</i>		25	16.3
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			
60-69%: Sound, logical, analytical thinking; synthesis and evaluation. Ability to devise and sustain persuasive arguments, and to review the reliability, validity & significance of evidence. Ability to communicate ideas and evidence accurately and convincingly. Sound, convincing conclusions / recommendations. <i>You have used SIMPACK as the base model and you have entered vehicle parameters.</i> <i>It would be interesting to know the characteristics of the tyre model(s) used.</i> The wheel plate angular movement and resulting steering wheel movement is quite large. Did you question the results?		25	16.3
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.			
60-69%: A very good application of a range of methods, materials, tools and/or techniques. Very good consideration of the context of the application, with perceptive use of examples, where relevant. Evidence of some innovation and creativity. There could be more practical application of the techniques. You have used supplied data eg spring rates. Did you measure the original spring stiffness? How is your modelling and analysis going to influence practical changes to the vehicle and its dynamic behaviour?		20	12.2
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.			
40-49%: Can communicate in a suitable format but with some room for improvement. Can work as part of a team, but with limited involvement in group activities. Work lacks coherence in places and could be better structured. <i>The reader is a little confused about the</i>		20	9
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	
		59	%