

MARKING CRITERIA AND STUDENT FEEDBACK									
MODULE: L4 Principles of Systems Engineering (ACDA4005)									
ASSIGNMENT: Development and Evaluation of a Test, Trial Project using Systems Engineering Approaches									
STUDENT: George Goddard (1810319)									
DATE: 30/04/20 13/07/20 (COVID-19 related disruption - adjusted to deadline)									
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. Engagement with Literature Skills (including reading, referencing, academic conventions and academic honesty)									
50-59%: Engagement with an appropriate range of literature, including sources retrieved independently. Some over-reliance on texts rather than other sources. Referencing may show minor inaccuracies or inconsistencies. The marks for this section were determined by the level of research which you conducted, the sources you used and the way this material was used to either inform or validate the decisions which you made or the views documented in your work. Remember, it's not purely, what you research and how well you follow referencing protocols, it's how your research actually informs/influences your work. You have referenced a number of appropriate and credible sources. It's good to see that you understand how to, and the importance of referencing material in your work. Although you have begun to do so in some areas, try to integrate your citations into your work. You can use them to verify your conclusions, to evidence the source of data which you've obtained or to show differences of opinion or contradictions which may exist in established views. If possible, in future work, attempt to cite from an even wider range of sources.		15	8.4						
2. Knowledge and Understanding Skills Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.									
50-59%: Knowledge is reasonably detailed and accurate. A good critical understanding of the well-established concepts and principles and the main methods of enquiry, with minor gaps in the selection of material. The marks for this section were determined by evaluating the extent to which you used, knowledge and facts associated with systems engineering approaches in your work. When evaluating your work, the models and methods you chose to use were evaluated - along with the appropriateness of their selection. You clearly have a good working knowledge of the application covered in the report. In some sections, there is an over-reliance on bullet-points. Expanding on these points would give you an opportunity to demonstrate deeper knowledge and understanding of the concepts.		20	11.6						
3. Cognitive and Intellectual Skills Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence									
60-69%: Sound evaluation of the underlying concepts and principles. Can interpret qualitative and quantitative data accurately. Ability to devise arguments using evidence to make mostly appropriate and valid judgements. The marks for this section were determined by evaluating the extent to which you used analytical approaches in your work. These could have included the use of analytical techniques to improve your understanding of the criticality of system features. Your report illustrates that you are able to use a suitable range of analytical approaches within the context of systems engineering. Particularly noteworthy are the use of Quality Function Deployment and Failure Modes Effects Analysis. Each of these could have contained further detail but it was pleasing to see that you are familiar with the techniques and were able to use them constructively in this project.		25	15.8						
4. Practical Application Skills 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 established methods, materials, tools and/or techniques. Very good consideration of the context of the application, with perceptive insights. Consistent, accurate and logical application of theory to practice, making appropriate links between the two. Can identify problems and propose appropriate solutions outside the context in which they were first studied. Evidence of some creativity. The marks for this section were determined by evaluating the extent to which you have appraised effectiveness and limitations of the tools, techniques and approaches which you have applied in your work. For example, have you evidenced that you understand the strengths, limitations and appropriateness of the approaches which you have taken in the various stages of the project? You have demonstrated that you understand the appropriateness of a number of systems engineering techniques and, through your report, have demonstrated that you have a growing understanding of what they offer and why they are used.		25	15						
5. Transferable Skills for Life and Professional Practice Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.									
60-69%: Can communicate well, confidently and consistently in a suitable medium for the audience. Work is coherent, fluent, well-structured and organised. Can work very well autonomously and/or as part of a team, with very good contribution to group activities. Demonstrates very good skills for employment requiring the exercise of personal responsibility and decision-making, with just occasional minor weakness The marks for this section were determined by evaluating how effectively and professionally, you presented your work. This includes, the appropriateness of the terminology and terms you've used, the clarity and structure of your written work and the standard of the general layout and presentation detailed in the report. Your introduction is a little too brief for this length report. In future work of this type, I would suggest taking a little more time to produce neater concept diagrams. Basic 2D representations are absolutely fine but just be careful that the images are tidy and annotated - use basic drawing tools if you need to. The report generally, is well written and is appropriately structured.		15	9.3						
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.)		<table border="1"> <thead> <tr> <th colspan="2">Late Submission Penalties (tick if appropriate)</th> </tr> </thead> <tbody> <tr> <td>Up to one-week late</td> <td></td> </tr> <tr> <td>Over one week late</td> <td></td> </tr> </tbody> </table>		Late Submission Penalties (tick if appropriate)		Up to one-week late		Over one week late	
Late Submission Penalties (tick if appropriate)									
Up to one-week late									
Over one week late									
		60.1	%						