

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: Max Smith (1810364)			
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 <i>(Including reading, referencing, academic conventions and academic honesty)</i>			
85-100%: Exceptional engagement with an extensive range of relevant and credible literature. High-level referencing skills consistently applied. The marks for this section were determined by the level of research which you conducted, the sources you used and 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. Your work is clearly, comprehensively researched. You have cited from some excellent/credible sources and have used referencing conventions very effectively within your work to support your study.		15	14.3
2. Knowledge and Understanding Skills <i>Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.</i>			
70-84%: Excellent, detailed knowledge and highly critical understanding of the well established concepts and principles of the subject and the main methods of enquiry. 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. Your report indicates that you have developed an extensive understanding of systems engineering approaches and techniques and that you understand how to use them effectively within an applied project.		20	15.6
3. Cognitive and Intellectual Skills <i>Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence</i>			
85%-100%: Outstanding critical evaluation and analysis of concepts and principles. Uses evidence exceptionally well to connect ideas, and support highly logical and persuasive, arguments and judgements. Evidence of independent thought and ability to 'see beyond the question', suggesting a clear grasp of the broader field and wider concepts. Perceptive recognition of the limits of their knowledge, and how this influences their analyses and interpretations 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. You have used a wide range of analytical tools within the context of a systems engineering framework. It is really encouraging to see that you are developing tools which have been introduced during lectures and tutorials but are also identifying additional tools and techniques which you have researched yourself and deployed accordingly.		25	23
4. Practical Application Skills <i>Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.</i>			
70-84%: An advanced application of a range of established methods, materials, tools and/or techniques. The context of the application is well considered, and insightful. Consistent, accurate and logical application of theory to practice, making well-developed links between the two. Can identify problems and propose excellent, creative solutions outside the context in which they were first studied. 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? Throughout your report, your commentary demonstrates that you have a thorough understanding of the tools which you have used along with the limitations and benefits of their use.		25	18.8
5. Transferable Skills for Life and Professional Practice <i>Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.</i>			
85-100%: Can communicate with an exceptionally high level of professionalism, highly suitable for the audience. Work is exceptionally coherent, very fluent and is presented professionally. Can work exceptionally well within a team, showing leadership skills. Demonstrates exceptional skills for employment requiring the exercise of personal responsibility and decision-making and an appetite for further development. 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 work has been presented very professionally. Both the content and presentation is of an excellent standard.		15	12.9
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	
		84.5	%