

MARKING CRITERIA AND STUDENT FEEDBACK

MODULE: Simulation and Modelling

ASSIGNMENT: CFD

STUDENT: Dilshad Rahamani

DATE: 13/5/19

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	Percent Awarded
1. Research-informed Literature Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.			%
60-69%: Engagement with a wide range of research-informed literature, including sources retrieved independently. Selection of relevant and credible sources. Very good use of referencing, with no/very few inaccuracies or inconsistencies. <i>Citations to a range of relevant sources. A wider range of sources could have been reviewed. Literature review is good, but it would have been better to embed this research in the discussion of results and methods to show how their work directly influenced yours and the conclusions you reached.</i>	10	6	60
2. Knowledge and Understanding of Subject Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.			
60-69%: Knowledge has a well-defined focus, which is reasonably extensive, coherent and detailed, with a critical awareness of current problems and/or new insights. Exhibits good understanding of the breadth and depth of contemporary and established views, and the work is, at least in part, well-informed by current research and scholarship. <i>Contextual application and importance of study is outlined. Process flow is clear, although could identify the iterative nature of model development. Generally you demonstrate a good basic understanding of the model development. Symmetry condition could be further justified with respect to geometry and expected flow characteristics. Justification of method choices could have been clearer.</i>	25	15	60
3. Analysis Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence			
50-59%: Some critical evaluation/ critique of current research and methodologies, though slightly underdeveloped in places. Proposes adequate but limited new hypotheses, where relevant. Can deal with complex issues but not fully systematically or creatively. Ability to make judgements based on data (that may be incomplete) but with some tendency to assert/state opinion rather than argue on the basis of reason and evidence. <i>Some odd elements on the underside of the geometry in figure 7 - these could have adversely affected your result. Mesh independence study is good, but results indicate this has not been fully achieved as results have not levelled off and this is not fully discussed. Mesh development has not been fully presented and explained - the mesh show has issues, but the correct elements are there with refinement and prism layers. You should have explained how you arrived at this strategy. Some basic judgement of the results obtained relative to experimental data.</i>	30	17.3	58
4. Practical Application and Deployment 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 insights. Can identify problems and propose appropriate solutions in complex and unpredictable contexts. Evidence of originality and creativity. <i>Excellent to see 25 and 35 degree studies conducted giving confidence in a range of geometries. It would have been better to present the model development to show a logical simulation progression. Post processing is basic but characterises results well.</i>	25	15.6	63
5. Skills for 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 format. Work is coherent, fluent, well-structured and organised. Can work very well autonomously and/or as part of a team, with a good contribution to group activities. Demonstrates comprehensive professional, postgraduate employment skills. <i>A well presented and structured report which follows technical report expectations. Some language used is a little informal, such as "loads less"</i>	10	6.5	65
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		60 %
	Over one week late		