

## MARKING CRITERIA AND STUDENT FEEDBACK

|                              |                                 |
|------------------------------|---------------------------------|
| <b>MODULE:</b> Major Project | <b>ASSIGNMENT:</b> Interim Viva |
| <b>STUDENT:</b> John Hughes  | <b>DATE:</b> 11/12/18           |

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 | % Awarded |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------|-----------|
| <b>1. Research-informed Literature (Extent of research and/or own reading, selection of credible sources to support the aims of the project)</b><br><small>Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.</small>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |               |           |
| 80-100%: Outstanding knowledge of research-informed literature embedded in the work. Outstanding selection of relevant and credible sources. High-level referencing skills consistently and professionally applied.<br><br><i>Citations on slides demonstrate background research. Regulations overview and explanation. Paper used to support CFD method and compared with that highlighted in MIRA study. Evidence profile studies informed through research - comparison of results with current literature.</i>                                                                                                                                                                                                     | 15                                                     | 12            | 80        |
| <b>2. Knowledge and Understanding of Subject (Ability to identify problems within, and technical direction of the project)</b><br><small>Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |               |           |
| 70-79%: Excellent knowledge and understanding of the main concepts and key theories. Clear awareness of challenges to established views and the limitations of the knowledge base.<br><br><i>Good explanation of reducing sensitivity as target - larger working area. CFD process and principles were explained well. A good understanding of aerodynamic principles demonstrated through discussions of results. Questioning of your own results demonstrated a high level on understanding.</i>                                                                                                                                                                                                                      | 15                                                     | 11.3          | 75        |
| <b>3. Analysis (Technical content of experimental and analytical work already completed and project relevance and merit)</b><br><small>Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence</small>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                        |               |           |
| 70-79%: <del>High quality logical work, supported by evaluated evidence. High quality analysis, developed independently of</del><br>through effective collaboration.<br>Ability to investigate contradictory information and identify reasons for contradictions.<br>Strong, persuasive, conclusions, justifiable recommendations<br><br><i>MIRA validation study is good, demonstrating discrepancies and offering some reasoning why these may occur. Good to see some real world validation cases to support confidence in your approach and results. Thorough analysis of results obtained for profiles - your initial results for splitters could have been interrogated to show why they were not successful.</i> | 35                                                     | 27.3          | 78        |
| <b>4. Practical Application and Deployment (Organisation and Planning of the project)</b><br><small>Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                        |               |           |
| 70-79%: An advanced application of a range of methods, materials, tools and/or techniques.<br>The context of the application is well considered, with extensive use of relevant examples.<br>Application and deployment extend beyond established conventions. Innovation and creativity evident throughout.<br><br>Clear reaction to initial findings which changed the direction of your project. You have outlined the future development path and supporting investigations. Practical testing to support theoretical analysis in commendable. It's good to see you are really enthusiastic for this project John.                                                                                                  | 10                                                     | 7.8           | 78        |
| <b>5. Skills for Professional Practice (Quality of presentation and success in communicating the aims and scope of the project)</b><br><small>Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.</small>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                        |               |           |
| 70-79%: Can communicate professionally and, confidently in a suitable format.<br>Can work professionally within a team, showing leadership skills as appropriate, managing conflict and meeting obligations.<br>Work is coherent, very fluent and is presented professionally.<br><br><i>You spoke clearly and confidently, demonstrating a good ownership of the project. Slides were well designed (a little busy in places - avoid tables) results generally presented well. Good use of photos and videos of empirical testing to support results discussion. We enjoyed your presentation!</i>                                                                                                                     | 25                                                     | 19.5          | 78        |
| <b>Assignment Mark</b> (Assessment marks are subject to ratification at the Exam Board.<br>These comments and marks are to give feedback on module work and are for guidance only until they are confirmed. )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Late Submission Penalties (tick if appropriate)</b> |               |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Up to one-week late                                    |               |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Over one week late                                     |               |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>77.9 %</b>                                          |               |           |