COMPUTING HONOURS PROJECT (COMP10034)
PRESENTATION MARKING SHEET

Student: Kyle Christie

Hons Project Title: Developing Device Drivers in Rust

Supervisor: Paul Keir

Moderator: Stephen Devine

Preparation of Presentation Material	**Out of 10**
e.g. Clear, attractive, layout, graphical content Deployment, relevance to content, reinforcing of key points	***7***
Presentation Style	**Out of 20**
e.g. Clear signposting to audience. Awareness of audience. Fluent, audible, attention gained, audience awareness, eye contact, body language. Keeping to time, pacing of material.	***18***
Content of Presentation	**Out of 50**
e.g. Aims/objectives/intentions clearly stated. Research question clearly addressed. Key points identified & clearly stated. Clear logical flow of content. Appropriateness of the content for the subject area/audience. Exposition of points - examples, reasons, implications, context and justification	***42***
Answering Questions	**Out of 20**
e.g. Ability to answer questions clearly, pertinence of response	***18***
AGREED MARK	**85**

Comments:

A very nice presentation overall. Starting with a helpful introduction, the slides were nicely designed, and the presentation (though a little too long) was executed with a clear, engaging and confident voice. C is old...but it does evolve – we now have C23 and C17 before it. (C23 even has nullptr!) The problem of memory safety in drivers, and for Rust itself is introduced, but your own research question could benefit from elaboration near the start; you mention an aim of creating a rust driver, but this is rather high level, and somehow masks the many significant development tasks that are a pre-requisite to that; as well as the review of literature. Although it is an increasingly common position, there is a journey from the idea that memory issues exist ... to the idea that Rust could be part of a solution. You should perhaps introduce the rust language (and before introducing Rust for Linux); including specific details on how it can help with memory safety. Meanwhile, as you instead introduce Rust for Linux, you are immediately diverted to the topic of its challenges. Questions were answered very well, at a level more commonly seen in Ph.D. students.