

# UFO Exam Project 2024

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## 1 Introduction

The exam project report and link to the video will need to be uploaded to Wiseflow by the due date (12 April 2024). The video can be in a format of your choice (screen cast, animation, live-action etc).

The exam will not be in person. The report and video will be assessed and a grade awarded. It will be a grade individually awarded from a group project.

## 2 Grading Criteria

The report will be in the form of a description of the research project. This includes the research question(s), the methods you used, the data you worked with and your interpretation of the results.

The video will be a more detailed explanation of the research project and a presentation of the results of it. The video should also include reflection on the research process and the problems that were met and overcome during it. Grading will be based on the correct use of appropriate methods, evidence of research carried out and reflection on applying structured research methods, using references and other people's research and reflection on way problems were handled.

## 3 Task Information

- The report should be written in L<sup>A</sup>T<sub>E</sub>X.
- The report should be maximum 5 pages long (3-5 pages is ok).
- The project should be about a topic from one of your courses that interests you OR
- The scenario written below can be used

## 4 Workshop 13 March

This workshop will be an opportunity for you to demonstrate the progress of your project and discuss it with me.

## 5 Optional Scenario

If your group does not have a project you can use the following:

Investigate the role of AI to the work of running and maintaining a secure environment for software.

This could be done by testing AIs such as co-pilot for writing secure code and secondary research of commercial tools or cloud environment security tools. You could for example write a simple application in a language you have never used before and see if you can get it to run securely. Then you could experiment with comparing code you have written to what gets generated when you try the same problem in the AI.

This basic scenario of exploring the role of AI as a support tool for software developers can be done as an experiment or as a mix of experiment and qualitative methods (interview some other developers about their experience for example). You could also research secondary sources and include as part of your answer how academics, industry and journalists are approaching this. By adding secondary sources you can demonstrate a good understanding of literature searches and referencing.