

5.B.4 Graphic Programming | W24 | Exam

Type of Examination: media product

Examiner: Heiko Ihde

Deadline: The last lecture (January 30th)

Task

Create a graphical product with moderate complexity (between 250 and 500 lines of actual code - not white space). Document how you got to the result. Record a video of you demonstrating and explaining it and how you got there. The video should be about 15 minutes of meaningful explanation of how it works and how you achieved it.

Product should be code that produces pixel graphics and / or animations:

- A shader in GLSL, HLSL, Cg
- A scene in a graphics library like OpenGL, Direct X, BabylonJS, ThreeJS, ...
- Scripted animations with tweening and interpolation in canvas or similar.
- Or something that is similar in complexity and topic

Evaluation Criteria

- Idea, Complexity & Creativity (25%)
- Result, UX & Presentation (25%)
- Completeness, Technical Engineering & Code Quality (25%)
- Documentation & Accountability (25%)

Permitted Aids

List all of your external sources and explain how and where you used it. If you use AI, include the protocols with prompts, since this is like an external coworker it is very critical not to let the AI do most of the creative work.

Keeping contact with the examiner to get assistance and feedback about your project is highly recommended.

Guidelines for Completion

Documentation of external help and assets is mandatory. This can be achieved through comments in the actual project or a readme file.

Before beginning, contact the examiner on Teams to approve your topic.

Declaration of Originality

Include a signed Declaration of Originality:

I hereby declare that I have created this work entirely on my own, without utilizing any unauthorized sources, resources, or technical tools beyond those explicitly cited. Any statements, ideas, or materials borrowed from external sources, whether verbatim or paraphrased, have been properly acknowledged and marked accordingly. Furthermore, I confirm that this work has not been submitted, in its current or a similar form, to any other examination authority or assessment for evaluation. I also consent to the use of anti-plagiarism software or other verification methods to check the originality of this work.

Place & Date: Berlin, 28.1.2025

Name & Signature: Heliodor Macko *Macko*

Consequences of Cheating or Violations

Cheating or violating the terms can lead to a lower grade or even a failure.

Submission Details

The documentation video should be uploaded in this module's Teams channel files on the last day of the exam's timeframe. Also upload a link to your project on glitch.com and send the examiner an email with instructions on how to find your files.