

# Study guide 2WH50 – Extension Final Bachelor Project for the bachelor Applied Mathematics

The extension of the bachelor final project is a research project on a subject from applied mathematics. It is a follow-up on the final bachelor project (2WH40 or 3CBX0), has an introduction to mathematical research as goal and has the subject that has already been studied at the final bachelor project as subject. In the extension of the bachelor final project, the emphasis is on deduction of new results and individual work. The project starts with the preparation of research questions and the preparation of a research planning, and concludes with a report, including a summary for non-specialists, and a presentation.

**Scope;** 5 ects, i.e. 140 study hours.

**Entrance requirement:** A bachelor final project on the same subject has been started.

**Choice of project:** This project is an extension of the final bachelor project. The research questions arise from the literature study that has been done for the bachelor final project. The subject is thus related to the subject of the final bachelor project, and the supervisor is the same or is in contact with the supervisor of the final bachelor project. The second assessor is also generally the same person as the second assessor of the final bachelor project.

For students of the combined bachelor programs Applied Physics and Applied Mathematics (generations 2012-2016) taking 2WH50 as an extension of their Bachelor final project 3CBX0 in physics, the supervisor of 2WH50 is a lecturer or (assistant) professor of the mathematics department who is in general also the second assessor of 3CBX0 (and vice versa: the supervisor of 3CBX0 is the second assessor for 2WH50 in this case).

**Start:** At the start of the extension of the bachelor project, the bachelor coordinator will be informed of the start date, the title of the project, the student's name and identity number, and the supervisor's name.

The project starts with the preparation of research questions and the preparation of a fairly extensive research planning.

**Assessment:** The report and the presentation are assessed by a second assessor in addition to the supervisor. The supervisor determines the grade after consultation with the second assessor. The assessment will consist of the following four aspects: drawing up research questions and planning, report and summary for laymen, presentation, implementation of the project. For each of these four aspects, a grade is given. The final grade for the 2WH50 box is the average of these four sub-grades.

The final assessment must be recorded on a prescribed assessment form, which you can find in the course 2WH50 on Canvas. The supervisor and the second assessor will fill out the assessment form, provide feedback on the various aspects taken into consideration in the assessment (thereby also providing argumentation for the grade),

and sign the assessment form. On the assessment form, the calculated final grade (scale 0 to 10, integer) is also given for 2WH50.

**Processing of the results:** In order to process the results, the fully completed assessment form will be submitted to the Education Office (MF 5.103). A PDF with the final version of the report must be sent to the education office. The report will be accessible through the library. The results cannot be processed until everything has been submitted and the PDF has been received.

Especially if the completion of the extension bachelor final project takes place in the summer months, you should contact all involved in time to make arrangements Think about absence due to vacation. The student must make sure that all the information needed for the processing of the results is submitted to the education office in time. In time means that the result must be formally registered ten working days before the date of the bachelor exam.

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