

HOPER60 Practical MAIN PROJECT

Participants

International students wishing to take a final subject course at VUC, Faculty of Science and Engineering.

Prerequisite knowledge

Students in the final phase of their education in their home country who wish to take a final subject course at VUC, Faculty of Science and Engineering. Students are required to have a good command of English language in order to participate in this subject.

Aim and objectives:

By completing the main practical project, the student will demonstrate:

- That he/she is capable of completing a technical development project satisfactorily with regard to engineering.

Outline Syllabus:

- Planning of a technical development project;
- Practical execution of the development project with considered methods and use of tools;
- Documentation of methods and results with the aid of adequate methods/tools;
- Presentation of the work in the form of an oral presentation and a four-page folder.

Work Methods/Teaching:

The assignment will be completed as an independent piece of development work with technical and methodical guidance.

An input of at least 600 hours is anticipated within the subject.

Assessment/Method(s):

An overall grade will be awarded based on:

- Practical results compared with the goals formulated for the assignment, systematic working methods, methodology, presentation and scientific assessment of technical measurement data.

Individual grades will be awarded.

Assessment

- Report
- Finished product/model result
- The project process
- Independence/creativity/innovation
- Scientific presentation

Compulsory Work/Exercises:

- Preparation of a plan for execution of the work with a statement of the method/use of tools and a schedule for the work;
- Presentation of the test results in the form of a scientific test report with an assessment of the results;
- Oral presentation of the work to tutors, the client and other interested persons;
- Preparation of a scientific presentation of the development work, involving the presentation and assessment of the results in a four-page folder.

Reading list

To be distributed at the start of the course.