

## Course: Project 1

credits: 5

<b>Course code</b>	ELVP22PRJ1	<b>Modes of delivery</b>	Problem-based learning
<b>Name</b>	Project 1	<b>Assessments</b>	Project Semester 1 - Assignment
<b>Study year</b>	2022-2023		
<b>ECTS credits</b>	5		
<b>Language</b>	English		
<b>Coordinator</b>	M.J. Deuzeman		

### Learning outcomes

#### **Designing**

The student considers various solution directions to arrive at a detailed and well-founded electrical engineered product/service/process based on the program of requirements, using appropriate design methodologies and taking into account societal interests and engineering standards.

#### **Realizing**

The student realizes and validates a (prototype of) a product/service/process based on a technical design, using the appropriate materials/techniques/instruments.

#### **Professionalizing**

The student is able to acquire and maintain skills, is self-directed, constructive in giving and receiving feedback, shows flexibility, and can communicate clearly.

### Content

Project 1 consists of 2 parts: a kick-off project and a semester project. The focus is on working together and presenting

#### 1: Kick-off project:

In the timespan of a week, you will work together and realize a result. This way, you will be introduced to what a project really is, how to cooperate well in a team and especially what the issues that you run into are in a project.

2: Semester project: In this project design, [FJ1] you will realize and test a physical product. Here, you will apply knowledge acquired in the semester 1 subjects. The students work in groups, guided and supervised by a teacher/coach.

[FJ1]Ambiguous, as is the source phrasing

### Included in programme(s)

Electrical Engineering Major Sensor Technology  
Electrical Engineering Major Electronics  
Electrical Engineering Major Mechatronics

### School(s)

Institute of Engineering