Course: Project Powered Device — credits: 10

Course code	WBVP26PAA
Name	Project Powered Device
Study year	2026-2027
ECTS credits	10
Language	Dutch, with parts in English
Coordinator	G. Overweg
Modes of delivery	Education
Assessments	Professional Identity - Assignment Project Powered Device - Assignment

Learning outcomes

The student can:

- Work on projects: executes a project according to the provided project method; delivers the entire final project result as per the assignment; demonstrates effective collaboration to creatively solve a problem and meet deadlines.
- Methodically design: designs a conceptual solution following the provided design method.
- Apply digital tools: designs using common digital tools.
- Construct: substantiates the development of the chosen concept based on relevant theories, including Statics/Applied Mechanics, Drives, and Controls.
- Test: conducts physical and digital tests on a single component of the developed solution, formulates an improvement plan based on the results, and implements it; develops the chosen concept based on field-applied guidelines and standards, including the Machinery Directive and drawing standards.
- Communicate: communicates clearly both orally and in written form.
- Reflect: knows themselves, describes, and substantiates their strengths; dares to ask for feedback and knows how to use the feedback for personal development.

Content

The student designs and constructs a powered mechanism in a structured manner. They use modern professional tools and demonstrate professional skills. The design is documented according to common standards in a construction dossier.

Included in programme(s)

Mechanical Engineering

School(s)

Engineering, Life Sciences & ICT

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