Course: Mechanical Transmission 1 credits: 2

Course code	ELVH17GMA1
Name	Mechanical Transmission 1
Study year	2022-2023
ECTS credits	2
Language	Dutch, with parts in English
Coordinator	A.M. Overweel-Vogelaar
Modes of delivery	Lecture Practical / Training Tutorial
Assessments	Mechanical Transmission 1 - Written, organised by STAD examinations

Learning outcomes

The student:

- calculates the minimal diameter of an axle resulting from load, whether it is strong enough
- checks that an axle does not break the fatigue limit at a dynamic load
- does calculations concerning cogwheels in a given situation in which the information has been specified in tables and specification sheets of suppliers.

Content

This subject covers dimensioning axles, including fatigue and warping. In addition, the student learns the basic principles of cogwheels.

Included in programme(s)

Electrical Engineering Major Mechatronics

School(s)

Institute of Engineering

share your talent. move the world.

Although every effort has been taken to ensure the accuracy of the information in the ECTS Course Catalogue, we cannot guarantee that the content and the information contained in it is always up-to-date, complete or true. Accordingly, no rights can be derived from the contents of the catalogue.