Course: Materials

credits: 4

Course code	ELVH17GMAT
Name	Materials
Study year	2022-2023
ECTS credits	4
Language	Dutch, with parts in English
Coordinator	M.P. McDonald
Modes of delivery	Lecture Practical / Training
Assessments	Materials - Computer, organised by STAD examinations

Learning outcomes

The student

- recognizes products by their functional properties and can identify the characteristics of their relevant materials.
- Knows the most important mechanical properties of materials and can do calculations for product design to make an optimal choice.
- chooses the correct materials for a certain application
- motivates their choice of heat treatment of metals for welding
- analyses which method of production is suitable for plastics

Content

The following topics will be covered in this subject:

1. Plastics
2. Materials
3. Choice of materials
4. Welding / connecting

Included in programme(s)

Electrical Engineering Major Mechatronics

School(s)

Institute of Engineering

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