

## Course: ManufacturingTechnology II

credits: 3

<b>Course code</b>	WBVH18MT2	<b>Modes of delivery</b>	Education
<b>Name</b>	ManufacturingTechnology II	<b>Assessments</b>	ManufacturingTechnology II - Written, organised by STAD examinations
<b>Study year</b>	2022-2023		
<b>ECTS credits</b>	3		
<b>Language</b>	English		
<b>Coordinator</b>	H. .M. Kuis		

### Learning outcomes

After finishing this module the student:

- calculate, for steel bending, the force and other parameters required for different applications
- calculate, for die cutting, the cutting forces, edge distance and geometrical tolerances
- calculate, for stretch forming, the relevant tool and product dimensions and required forces
- describe, for welding, a series of different applications and processes
- calculate the effects of welding on product and material (low alloy and stainless steel)
- apply the collected parameters of welding in a WPS and calculate the cost of welding

### Content

In this 3 EC module the student learns about non cutting production technologies. The student will be able to determine or calculate the most important parameters necessary for the production and has a general idea of the production time and related costs.

### Included in programme(s)

Mechanical Engineering VWO a 3-year variant

### School(s)

Institute of Engineering

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