

# Engineering Design 2 (ED 2)



Lehrstuhl für Produktentwicklung  
Prof. Dr.-Ing. Tamara A. J. Reinicke

## Course description:

The course is a continuation of the „Engineering Design 1“ course.

While the focus in ED1 is on methodological skills, ED2 primarily teaches tried-and-tested regulatory knowledge.

This will enable students to further develop product concepts into safe, high-quality and economical products.

Design guidelines (Design for X) provide guidance for good component design.

Aspects of production-, assembly- and corrosion-compatible design are taught as part of the course.

The focus is always on safety and cost-effectiveness.

## In detail:

- Basic design rules
- Design principles
- Design guidelines: Manufacture, assembly, corrosion, expansion
- Virtual product development
- Product series
- Cost driver in product development

## Part of

**Modul:** *Introduction to Mechanical Engineering I*

**Modul Nr.:** 4MECHMA001.2

## Dozent:

*Prof. Dr.-Ing. Tamara A. J. Reinicke*

## Information:

Dr.-Ing. Wolfgang Lohr  
wolfgang.lohr@uni-siegen.de  
+49 (0) 271 740-4699  
Raum: PB-A 417

## More Information at:

[www.mb.uni-siegen.de/pe](http://www.mb.uni-siegen.de/pe)

**Form:** *Lecture*

**Amount:** *2 SWS*

**Credits:** *3 ECTS*

**Frequency:** *Summer semester*

**Language:** *english*



**Universität  
Siegen**