

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

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Form: *Lecture*

Amount: *2 SWS*

Credits: *3 ECTS*

Frequency: *Summer semester*

Language: *english*



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