

Organisation

Lecturer:	Prof. Dr. Bastian Leutenecker-Twelsiek, B. Eng. Jost Grünert
Lecture (4 SWS)	Thursday 13:30 - 16:30 weekly
Workload	180 h 60 h (Presence) 120 h (Project work)
Credits	6 CP
Participation requirements:	Studying in any master's specification Pre-registration by e-mail to: jost.gruenert@study.hs-duesseldorf.de
Form of examination:	Project work and presentation
Language:	English

Key learnings of this course

Start of course

Exploring

Ideating

Validating

Prototyping

End of course

WHY

should we do this?

Foster creativity among engineers

Gather Ideas

Checking, if our products gonna be top or flop

We want our product tangible and presentable

HOW

can we do this?

Exploring potential innovation fields

Organizing creative working sessions

Checking for feasibility, viability and desirability of our products

Turning the fuzzy idea into a real-world product

WHAT

will we do?

Desk research

We choose one of many creativity techniques and use it

Making use of canvases and conducting interviews

CAD-Models, Sketches, AI generations, MVPs

Innovative Product development



Fachbereich Maschinenbau und Verfahrenstechnik
Faculty of Mechanical and Process Engineering

Literature (recommended, not mandatory)

