

Course: Organisations

credits: 2

Course code	WBVH18ORG	Modes of delivery	Education
Name	Organisations	Assessments	Organisations - Computer, organised by STAD examinations
Study year	2022-2023		
ECTS credits	2		
Language	English		
Coordinator	I.V. Houwing		

Learning outcomes

After finishing this module the student:

- operationalizes the performance dimensions of a given process
- determines the consequences of volume and variety characteristics for process layout, technology and job design
- makes a correct process map
- calculates a correct economic order quantity
- creates a correct MRP-schedule
- recognizes process improvement methods
- applies Lean Manufacturing methods.

Content

In this 2 EC module students learn the fundamentals of operations and process management. The direction, design, planning and control, and development of operations are discussed in succession. After an introduction to operations strategy, the factors that are important for the design of a process are discussed. Concerning the planning and control of operations, topics include capacity management, inventory management and scheduling. Finally, several improvement methods, like Lean Manufacturing, TOC and Six Sigma are treated.

Included in programme(s)

Mechanical Engineering VWO a 3-year variant

School(s)

Institute of Engineering