Course in English

Course Description

Department
09 Engineering and Management

Course title
Cost Management at the interface of engineering and business

Hours per week (SWS)
3

Number of ECTS credits
4

Course objective
The students...

• realize the difference between cost accounting, cost controlling, and cost management
• know the different starting points for cost management
• are able to identify the manufacturing steps for exemplary products
• are able to determine the time required and the cost for manufacturing steps as well as tool and setup costs, and subsequently the total cost for producing a product
• are able to develop concrete proposals for redesigning a product to reduce its cost
• are able to consider the consequences in manufacturing when designing products
• recognize the problem of increasing complexity and know basic starting points for management of complexity cost
• are familiar with starting points for cost management in companies with a high degree of fixed cost

Prerequisites
none

Recommended reading

Teaching methods
Seminar-like lecture, Exercises

Assessment methods
Written Exam
The exam has a total of 90 points, 45 points for the business part and 45 points for the engineering part. The earned points of both parts will be summed up to a total score determining the grade.

Language of instruction
English

Name of lecturer
Prof. Dr. rer. pol. Andreas Krahe, Prof. Dr.-Ing. Bernd Schulz

Email

Link

Course content
• Value Analysis
• Calculation of existing products
• Design for manufacturing
• Management of complexity cost
• Management of fixed cost

Remarks
Work load: Attendance time: 45 hours
Private study, exam preparation: 75 hours