

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	<p>The students:</p> <ul style="list-style-type: none">• 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	FRIEDL, Birgit, 2009. Kostenmanagement. Stuttgart: UTB. ISBN 978-3-8252-2706-7
Teaching methods	Seminar-like lecture, Exercises
Assessment methods	<p>Written Exam</p> <p>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.</p>
Language of instruction	English
Name of lecturer	Prof. Dr. rer. pol. Andreas Krahe, Prof. Dr.-Ing. Bernd Schulz
Email	andreas.krahe@hm.edu bernd.schulz@hm.edu
Link	
Course content	<ul style="list-style-type: none">• Value Analysis• Calculation of existing products• Design for manufacturing• Management of complexity cost• Management of fixed cost
Remarks	<p>Work load: Attendance time: 45 hours</p> <p>Private study, exam preparation: 75 hours</p>