

<b>Department</b>	09 Engineering and Management
<b>Course title</b>	<b>Cost Management at the Interface of Engineering and Business</b>
<b>Course number</b>	
<b>Hours per week (SWS)</b>	3 SWS
<b>Number of ECTS credits</b>	4 ECTS
<b>Course objective</b>	<p>Competence Level 2 „Understand“:</p> <ul style="list-style-type: none"> <li>•The students realize the difference between cost accounting, cost controlling, and cost management</li> <li>•The students know the different starting points for cost management</li> </ul> <p>Competence Level 3 „Apply“:</p> <ul style="list-style-type: none"> <li>•The students recognize the problem of increasing complexity and know basic starting points for management of complexity cost</li> <li>•The students are familiar with starting points for cost management in companies with a high degree of fixed cost</li> </ul> <p>Competence Level 4 „Analyse“:</p> <ul style="list-style-type: none"> <li>•The students are able to identify the manufacturing steps for exemplary products</li> <li>•The students 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</li> <li>•The students are able to develop concrete proposals for redesigning a product to reduce its cost</li> </ul> <p>Competence Level 5 „Assess“:</p> <p>The students are able to consider the consequences in manufacturing when designing products</p>
<b>Prerequisites</b>	none
<b>Recommended reading</b>	HORNGREN, Charles, Srikant DATAR and Madhav RAJAN, 2020. Horngren's Cost Accounting: A Managerial Emphasis. 17. edition, global edition. Boston: Pearson. ISBN 978-1292363073
<b>Teaching methods</b>	Seminar-like lecture, Exercises
<b>Assessment methods</b>	<p>Written Exam.</p> <p>Duration: 90 minutes</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>
<b>Language of instruction</b>	English
<b>Name of lecturer</b>	Prof. Dr. Andreas Krahe
<b>Email</b>	<a href="mailto:andreas.krahe@hm.edu">andreas.krahe@hm.edu</a>
<b>Link</b>	<a href="https://wi.hm.edu/kontakte_de/phonebook_detailseite_722.de.html">https://wi.hm.edu/kontakte_de/phonebook_detailseite_722.de.html</a>
<b>Course content</b>	<ul style="list-style-type: none"> <li>•Value Analysis</li> <li>•Calculation of existing products</li> <li>•Design for manufacturing</li> <li>•Management of cost level</li> <li>•Management of complexity cost</li> <li>•Management of fixed cost</li> </ul> <p>More Info: <a href="https://www.youtube.com/watch?v=-yuAMmZ_0WA">https://www.youtube.com/watch?v=-yuAMmZ_0WA</a></p>
<b>Remarks</b>	<a href="https://www.youtube.com/watch?v=-yuAMmZ_0WA">https://www.youtube.com/watch?v=-yuAMmZ_0WA</a>