


Studiengang: Bachelor of Science Maschinenbau <i>Program: Bachelor of Science in Mechanical Engineering</i>				
1	Modul: Bachelor-Thesis and Oral Examination <i>Module: Bachelor-Thesis und Abschlusskolloquium</i>			English <i>Englisch</i>
		Semester <i>Semester</i>	Dauer <i>Duration</i>	Status <i>Status</i>
		8. Semester	10 Weeks	Mandatory subject
	Kreditpunkte <i>Credits</i>	Aufwand <i>Workload</i>	Kontaktzeit <i>Contact-hours</i>	Selbststudium <i>Student's efforts</i>
	15 ECTS	450 h	By appointment with advisor	450 h
2	Beschreibung <i>Description</i>			
	<p>The Bachelor-Thesis is a written scientific report. It is executed e.g. in industry or in public institutions and either an independent investigation or examines a known topic from the mechanical engineering field and/or the material science field under new aspects. The Bachelor-Thesis may be a pure theoretical or practical orientated work, in which theoretical knowledge is used for generating practical solutions.</p> <p>Introduction and instruction to scientific procedure and to scientific work are important background for the thesis.</p> <p>The Bachelor-Thesis and the final oral examination are inevitable components of the final graduation: The academic title granted is „Bachelor of Science Maschinenbau“.</p>			
3	Lernziele <i>Learning Outcomes</i>			
	<p>The Bachelor-Thesis should show the student's ability to solve an applied-orientated problem from the field of mechanical engineering and/or of material science within a period of 10 weeks. Scientific and practical methods must be used to show the handling of technical and non-technical details; this is expected under the scope of target orientation and gaining of meaningful results.</p>			
4	Schlüsselqualifikationen <i>Key qualifications</i>			
	Sozialkompetenz	Methodenkompetenz	Selbstkompetenz / Personenkompetenz	Interkulturelle Kompetenz
	X	X	X	(X)
5	Lehrveranstaltung/ -methoden <i>Course type and methods</i>			
	<ul style="list-style-type: none"> The Bachelor-Thesis is advised by the university (Lübeck University of Applied Sciences, LUAS). 			
6	Vorbedingungen / Vorkenntnisse <i>Prerequisites</i>			
	<p>Bachelor-Thesis</p> <ul style="list-style-type: none"> Examination prerequisites according to § 5 examination regulations for the study program Bachelor of Science Maschinenbau. Choice of one advisor from the official teaching staff of Lübeck University of Applied Sciences Lübeck (LUAS) and coordination of the final assignment. Approval of the provided assignment prior to the start of the Bachelor-Thesis by the examination board of the department. <p>Final Oral Examination (Colloquium)</p> <ul style="list-style-type: none"> The Bachelor-Thesis must have been handed in in time and must have been graded at least with "ausreichend" (= passed). Successful pass of all other teaching modules. 			
7	Arbeitsmittel / Literatur <i>Required material / Literature</i>			
	<ul style="list-style-type: none"> Leaflet for Submission of a Bachelor Thesis. Literature related to the given assignment. Papers and material of the institution, where the Bachelor-Thesis is executed at. 			

Detailinformationen						
8	Inhalte					
	<i>Course topics</i>					
The contents of the Bachelor-Thesis follows the given, special assignment. The thesis should contain at least the following elements:						
<ul style="list-style-type: none"> • Introduction • State of the art • Analysis, scope and approach • Concept for realization and implementation • Critical view on results • Conclusion and future prospects 						
The executed work is put down in a scientific documentation (Bachelor-Thesis). The above mentioned elements should be considered in an adequate manner. The typical length of a thesis is about 50 to 80 pages without annex.						
The Bachelor-Thesis is foundation for the final colloquium. The contents of the thesis is presented during the colloquium, orientated to gained results. Afterwards it is defended against questions of the examiners – topics in closer and wider field of the thesis.						
9	Prüfungsform					
	<i>Assessment</i>					
Prerequisite: none						
Examination: Written: Graded Bachelor-Thesis (weight of the mark: 75%)						
Oral: Graded colloquium (ca. 60 minutes) (weight of the mark: 25%)						
10	Voraussetzung für die Vergabe von Kreditpunkten					
	<i>Requirements for granting of credits</i>					
Successful passing the parts of section 9 „Assessment“						
11	Weiterführende Veranstaltungen					
	<i>Related courses</i>					
None						
12	Zuordnung					
	<i>Classification</i>					
	Mathematik & Naturwissenschaft	Ingenieurwissenschaften	Ingenieur-anwendungen	Entwicklung & Konstruktion	Werkstoffe	Wirtschaft, Management, Sprachen
X	X	X	X	X	X	X
13	Modulbeauftragter / Lehrpersonen					
	<i>Responsible person / Lecturers</i>					
Prof. Dr.-Ing. J. Blechschmidt / Any person of the official teaching stuff of LUAS						