

Module description: Bachelor Thesis: Systems Engineering					
Module Code	t.BA.ST.BA.19HS				
ECTS Credits	12				
Language of Instruction/Examination	German				
Organizational Unit	IEM Ltg.				
Module Coordinator	Stephan Scheidegger				
Legal Framework	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.				
Module Characteristic	Type 7 Bachelor's thesis				
Module Description	The bachelor thesis projects will take place in the 6. semester. Under conduction of a professor, a scientific problem will be investigated in a student research project. Project ideas typically are coming from the R&D activities of the Instituts or industry- or research partners. An important element of coaching are weekly progress meetings, where actual problems and the project progress will be discussed. The project findings (including introduction, materials & methods, results and discussion / conclusions) have to be documented in a written report.				
Module Content	<ul style="list-style-type: none"> A scientific problem will be investigated in a student research project. Project ideas typically are coming from the R&D activities of the Instituts or industry- or research partners. An important element of coaching are the weekly progress meetings, where actual problems and the project progress will be discussed. The project findings (including introduction, materials & methods, results and discussion/conclusions) have to be documented in a written report. 				
Prerequisite Knowledge	The bachelor thesis project can be started after the 5. semester only after a successful project thesis.				
Learning Objectives (Competences)	Students...	Competencies	Taxonomies		
	are able to acquire additional technical and scientific knowledge and evaluating the state of the art by using scientific publications.	SO, M	K2, K6		
	are able to write a technical / scientific report and to present the project.	F, M	K3		
	are able to solve practical problems in the field of systems engineering with engineering - and scientific methodology.	M, F, SO	K3, K4, K5, K6		
Performance Assessment	End-of-module exam	Assessment	Length (min.)	Weighting	Form
	other			100	
	Performance assessment during the semester	Assessment	Length (min.)	Weighting	Form
	-	-	-	-	-
Classroom Attendance Requirement	None				
Learning material					
Comments					