

Thesis						
Module Code	Workload	Credits	Semester	Frequency of Module	Duration	
	900 hrs.	30	3	Each semester	1 Semester	
1	Module Components		Teaching Language	Contact Hours	Self Study	Class Size
	a) Masterarbeit		a) English	a) 0 hrs.	a) 810 hrs.	a) 24
	b) Thesis Seminar		b) English	b) 0 hrs.	b) 90 hrs.	b) 24
2	<p>Learning Outcomes</p> <p>After successful participation in the module the student</p> <p>Knowledge (1) ... can present his topic in a scientific context of smart systems</p> <p>Comprehension (2) ... is able to choose and explain the scientific method</p> <p>Application (3) ... is able to develop an engineering/scientific solution for a practical topic</p> <p>Analysis (4) ... is able to evaluate and analyse scientific literature to the given topic</p> <p>Synthesis (5) ... is able to structure the work and generate a workflow</p> <p>Evaluation (6) ... is able to review the scientific results and compare it with the state of the art in science</p>					
3	<p>Individual Component Content</p> <p>a) During the thesis a task in the region of smart systems must be solved. This includes:</p> <ul style="list-style-type: none"> - analysis of the task - elaboration of new concepts, theoretical background, evaluate different possibilities for the solution - documentation and presentation in a scientific manner <p>b) Discussion, advising and presenting the thesis content</p>					

4	Teaching Methods a) b) Seminar
5	Prerequisites Modules of the first and second semester
6	Methods of Assessment a) Graded Assessment 1T (Thesis) (27 LP) b) Non Graded Assessment 1PN (Presentation) (3 LP)
7	Applicability of Module Smart Systems M.Sc. (SMA)
8	Person Responsible for Module Prof. Dr. Robert Hoenl (Module Responsible)
9	Reading List (Core Texts and Recommended Texts) a) Depending on the selected project b) Depending on the selected project