TECHNISCHE HOCHSCHULE LÜBECK

Module: Special Topics of Automation Systems

Level	Bachelor	**Short Name**	STAuSys
Responsible Lecturers	Prof. Dr.-Ing. J.-Christian Töbermann		
Department, Facility	Electrical Engineering and Computer Science		
Course of Studies	Information Technology, Bachelor		
Compulsory/elective	Elective	**ECTS Credit Points**	5
Semester of Studies	(Unspecified)	**Semester Hours per Week**	4
Length (semesters)	1	**Workload (hours)**	150
Frequency	(Flexible)	**Presence Hours**	60
Teaching Language	English	**Self-Study Hours**	90
The following section is filled only if there is **exactly one** module-concluding exam.			
Exam Type	Portfolio Exam	**Exam Language**	English
Exam Length (minutes)		**Exam Grading System**	One-third Grades
Learning Outcomes	The students learn or deepen competences according to the concretely offered specific topic of automation. They are able to analyze various tasks in the concretely offered special topic of automation, select appropriate solution approaches and to implement and test solutions on the basis of standard methods.		
Participation Prerequisites			
The previous section is filled only if there is **exactly one** module-concluding exam.			
Consideration of Gender and Diversity Issues	✔ Use of gender-neutral language (THL standard) ✔ Target group specific adjustment of didactic methods ✘ Making subject diversity visible (female researchers, cultures etc.)		
Applicability			
Remarks			

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Module Course: Special Topics of Automation Systems (Lecture)

(of Module: Special Topics of Automation Systems)

Course Type	Lecture	**Form of Learning**	Presence
Mandatory Attendance	no	**ECTS Credit Points**	3,5
Participation Limit		**Semester Hours per Week**	3
Group Size		**Workload (hours)**	105
Teaching Language	English	**Presence Hours**	45
Study Achievements ("Studienleistung", SL)		**Self-Study Hours**	60
SL Length (minutes)		**SL Grading System**	
The following section is filled only if there is a course-specific exam.			
Exam Type		**Exam Language**	
Exam Length (minutes)		**Exam Grading System**	
Learning Outcomes			
Participation Prerequisites			
The previous section is filled only if there is a course-specific exam.			
Contents	The course content is determined according to the concretely offered special topic of automation.		
Literature	Literature will be named in the lecture.		
Remarks			

Module Course: Special Topics of Automation Systems (Exercises)

(of Module: Special Topics of Automation Systems)

Course Type	Exercise	**Form of Learning**	Presence
Mandatory Attendance	no	**ECTS Credit Points**	1,5
Participation Limit		**Semester Hours per Week**	1
Group Size	12	**Workload (hours)**	45
Teaching Language	English	**Presence Hours**	15
Study Achievements ("Studienleistung", SL)		**Self-Study Hours**	30
SL Length (minutes)		**SL Grading System**	

The following section is filled only if there is a course-specific exam.

Exam Type		**Exam Language**	
Exam Length (minutes)		**Exam Grading System**	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	In the exercises during the semester, the students apply what they have learned in the lecture to given or self-study topics for selected application scenarios.
Literature	See lecture
Remarks	