

**Module: Thesis, Colloquium, and Seminar on Bachelor's Thesis**

<b>Level</b>	Bachelor	<b>Short Name</b>	Thesis
<b>Responsible Lecturers</b>	Matthies, Denys, Prof. Dr.		
<b>Department, Facility</b>	Electrical Engineering and Computer Science		
<b>Course of Studies</b>	Information Technology, Bachelor		
<b>Compulsory/elective</b>	Compulsory	<b>ECTS Credit Points</b>	15
<b>Semester of Studies</b>	8	<b>Semester Hours per Week</b>	
<b>Length (semesters)</b>	1	<b>Workload (hours)</b>	466
<b>Frequency</b>	SuSe	<b>Presence Hours</b>	17
<b>Teaching Language</b>	English	<b>Self-Study Hours</b>	449

The following section is filled only if there is **exactly one** module-concluding exam.

<b>Exam Type</b>		<b>Exam Language</b>	
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	
<b>Learning Outcomes</b>			
<b>Participation Prerequisites</b>			

The previous section is filled only if there is **exactly one** module-concluding exam.

<b>Consideration of Gender and Diversity Issues</b>	<ul style="list-style-type: none"> <li>✓ Use of gender-neutral language (THL standard)</li> <li>✗ Target group specific adjustment of didactic methods</li> <li>✓ Making subject diversity visible (female researchers, cultures etc.)</li> </ul>
<b>Applicability</b>	
<b>Remarks</b>	

## Lehrveranstaltung: Thesis

(zu Modul: Thesis, Colloquium, and Seminar on Bachelor's Thesis)

<b>Lehrveranstaltungsart</b>		<b>Lernform</b>	
<b>LV-Name englisch</b>			
<b>Anwesenheitspflicht</b>	nein	<b>ECTS-Leistungspunkte</b>	12
<b>Teilnahmebeschränkung</b>		<b>Semesterwochenstunden</b>	
<b>Gruppengröße</b>		<b>Arbeitsaufwand in Stunden</b>	360
<b>Lehrsprache</b>	English	<b>Präsenzstunden</b>	
<b>Studienleistung</b>		<b>Selbststudiumsstunden</b>	360
<b>Dauer SL in Minuten</b>		<b>Bewertungssystem SL</b>	One-third Grades

Der folgende Abschnitt ist nur ausgefüllt, wenn es eine lehrveranstaltungsspezifische Prüfung gibt.

<b>Prüfungsleistung</b>	Thesis	<b>Prüfsprache</b>	
<b>Dauer PL in Minuten</b>		<b>Bewertungssystem PL</b>	
<b>Lernergebnisse</b>	Ability to independently work on a task, the level of difficulty of which corresponds to later professional practice.		
<b>Teilnahmevoraussetzungen</b>	The prerequisite for admission to the bachelor thesis is proof of all achievements to be achieved by the end of the fifth semester according to the standard study plan of the study regulations, whereby one achievement can be achieved in the case of repetition.		

Der vorige Abschnitt ist nur ausgefüllt, wenn es eine lehrveranstaltungsspezifische Prüfung gibt.

<b>Lehrinhalte</b>	Largely independent processing of a qualified task from practice. Systematic procedures and sensible working techniques from the areas of requirements analysis, project management, software construction, programming, verification and evaluation should be used and a connection to areas of application in Information Technology should be established.
<b>Literatur</b>	
<b>Bemerkungen</b>	

## Lehrveranstaltung: Colloquium

(zu Modul: Thesis, Colloquium, and Seminar on Bachelor's Thesis)

<b>Lehrveranstaltungsart</b>		<b>Lernform</b>	
<b>LV-Name englisch</b>			
<b>Anwesenheitspflicht</b>	ja	<b>ECTS-Leistungspunkte</b>	3
<b>Teilnahmebeschränkung</b>		<b>Semesterwochenstunden</b>	
<b>Gruppengröße</b>		<b>Arbeitsaufwand in Stunden</b>	90
<b>Lehrsprache</b>		<b>Präsenzstunden</b>	1
<b>Studienleistung</b>		<b>Selbststudiumsstunden</b>	89
<b>Dauer SL in Minuten</b>		<b>Bewertungssystem SL</b>	

Der folgende Abschnitt ist nur ausgefüllt, wenn es eine lehrveranstaltungsspezifische Prüfung gibt.

<b>Prüfungsleistung</b>	Oral Exam	<b>Prüfsprache</b>	English
<b>Dauer PL in Minuten</b>	60	<b>Bewertungssystem PL</b>	One-third Grades
<b>Lernergebnisse</b>	The students can present, explain, classify and evaluate the results of a project in a professional dialogue.		
<b>Teilnahmevoraussetzungen</b>	Prerequisites for admission to the oral final examination (colloquium) are proof of all achievements to be achieved according to the standard study plan of the study regulations and the passed Bachelor's Thesis.		

Der vorige Abschnitt ist nur ausgefüllt, wenn es eine lehrveranstaltungsspezifische Prüfung gibt.

<b>Lehrinhalte</b>	
<b>Literatur</b>	
<b>Bemerkungen</b>	

## Module Course: Seminar on Bachelor's Thesis

(of Module: Thesis, Colloquium, and Seminar on Bachelor's Thesis)

<b>Course Type</b>	Seminar	<b>Form of Learning</b>	Presence
<b>Mandatory Attendance</b>	yes	<b>ECTS Credit Points</b>	
<b>Participation Limit</b>		<b>Semester Hours per Week</b>	
<b>Group Size</b>		<b>Workload (hours)</b>	16
<b>Teaching Language</b>	English	<b>Presence Hours</b>	16
<b>Study Achievements ("Studienleistung", SL)</b>		<b>Self-Study Hours</b>	
<b>SL Length (minutes)</b>		<b>SL Grading System</b>	Pass

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

<b>Exam Type</b>		<b>Exam Language</b>	
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	
<b>Learning Outcomes</b>	<p>After completing the seminar, the candidate is able to:</p> <ul style="list-style-type: none"> <li>• name the requirements for a scientific work (rules, form, style, content) and to apply them in your work,</li> <li>• classify the different types of scientific work,</li> <li>• formulate a research question,</li> <li>• delimit the subject area with specialist literature research,</li> <li>• determine the correct methodical approach to a scientific paper,</li> <li>• write a scientific text structured according to scientific standards,</li> <li>• properly evaluate the presentation of the work results in a scientific text,</li> </ul> <p>critically evaluate one's own and others' work and deal with criticism.</p>		
<b>Participation Prerequisites</b>			

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

<b>Contents</b>	Literature Review, LaTeX, Trustworthiness & Academic Integrity, Research Contributions, Research Question, Research Design, Thesis Structure, Writing Tips, Generating Knowledge through Studies, Presentation of Results
<b>Literature</b>	
<b>Remarks</b>	