

**Module: Scientific Project**

<b>Level</b>	Master	<b>Short Name</b>	SciPr
<b>Responsible Lecturers</b>	Director of Studies, Master AIT		
<b>Department, Facility</b>	Electrical Engineering and Computer Science		
<b>Course of Studies</b>	Applied Information Technology, Master		
<b>Compulsory/elective</b>	Compulsory	<b>ECTS Credit Points</b>	10
<b>Semester of Studies</b>	2	<b>Semester Hours per Week</b>	1
<b>Length (semesters)</b>	1	<b>Workload (hours)</b>	300
<b>Frequency</b>	WiSe	<b>Presence Hours</b>	15
<b>Teaching Language</b>	English	<b>Self-Study Hours</b>	285

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

<b>Exam Type</b>	Project Work	<b>Exam Language</b>	German/English
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	One-third Grades
<b>Learning Outcomes</b>	<p>The learning goal of the module is to enable students to work on scientific topics (e.g., a master thesis) autonomously/independently. Additionally, students will acquire the skills necessary to write scientific publications and give scientific presentations.</p> <p>Following the successful completion of this course, the students will have acquired the following competencies:</p> <ul style="list-style-type: none"> <li>• Writing of a scientific article of approximately 4 to 8 pages in length that covers state of the art, approach and result of the project.</li> <li>• Document and present the scientific approach used for solving the selected task.</li> <li>• Graphical representation and presentation of the results.</li> <li>• Retrieval and evaluation of information using literature and online resources.</li> <li>• Giving an overview of a complex scientific area in a presentation to a professional audience.</li> <li>• Participate in scientific discussions typical for scientific presentations.</li> </ul>		
<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>	Exemplarily, the project work may consist of following parts: <ul data-bbox="582 190 1257 286" style="list-style-type: none"><li>• Scientific article (appr. four to eight pages)</li><li>• Presentation slides and poster of the project</li><li>• Oral presentation of slides and poster</li></ul>
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## Module Course: Scientific Project (Seminar)

(of Module: Scientific Project)

<b>Course Type</b>	Seminar	<b>Form of Learning</b>	Presence
<b>Mandatory Attendance</b>	no	<b>ECTS Credit Points</b>	10
<b>Participation Limit</b>		<b>Semester Hours per Week</b>	1
<b>Group Size</b>		<b>Workload (hours)</b>	300
<b>Teaching Language</b>	English	<b>Presence Hours</b>	15
<b>Study Achievements ("Studienleistung", SL)</b>		<b>Self-Study Hours</b>	285
<b>SL Length (minutes)</b>		<b>SL Grading System</b>	

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>			
<b>Participation Prerequisites</b>			

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

<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction to Scientific Writing</li> <li>• Introduction to Version Management, e.g. GIT or SVN</li> <li>• Structure and outline of a scientific article</li> <li>• Structured approach for writing a scientific article</li> <li>• Presentation and poster</li> <li>• Writing workshops</li> </ul>
<b>Literature</b>	(individual depending on project)
<b>Remarks</b>	