

## 2.3 Masterthesis und Kolloquium

<b>Module leader:</b>	Prof. Dr.-Ing. Markus Louis			
<b>ECTS points:</b>	18 ECTS	<b>Workload (h):</b>	540	
<b>Type of module and position in the course of study:</b>	Mandatory module in the 2. semester	<b>Contact hours (h):</b>	56	
<b>Scope und frequency of teaching:</b>	Thesis can be conducted in each semester	<b>Self-study (h):</b>	484	
<b>Type of module and position in other study programs or continuing education offers:</b>	-			
<p><b>Learning outcomes:</b></p> <p>Upon completion of this module students will be able to ...</p> <p>Knowledge and understanding (extension, consolidation and understanding of knowledge)</p> <ul style="list-style-type: none"> <li>- <i>Identify and discuss a research question in an aviation related business</i></li> </ul> <p>Using, applying and generating knowledge (applying and transferring knowledge, Scientific innovation)</p> <ul style="list-style-type: none"> <li>- <i>Apply the learned competencies in a discrete scientific task.</i></li> <li>- <i>Plan, analyze and evaluate a scientific question</i></li> <li>- <i>Create an added value by applying scientific standards to a dedicted problem or topic</i></li> </ul> <p>Communication and cooperation</p> <ul style="list-style-type: none"> <li>- <i>Public presentation of a scientific topic</i></li> <li>- <i>Establish communication strategies to share information about a specific issue</i></li> <li>- <i>Identify stakeholders relevant for a dedicated task</i></li> <li>-</li> </ul> <p>Reflection of academic and professional identity</p> <ul style="list-style-type: none"> <li>- <i>Critical assessment of specific information/theories/problems in a professional environment</i></li> </ul>				
<p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>- Define the topic of the thesis and organize examiners</li> <li>- Register the thesis at the examination office</li> <li>- Identify and analyze literature</li> <li>- Scientific work on the topic with a defined target: e.g. analysis, assessment, development</li> <li>- Preparation of the results in a structured way</li> <li>- Submission of a thesis in written form based on scientific standards</li> <li>- Presentation of the thesis to the examiners</li> </ul>				
<b>Language of teaching:</b>	English			
<b>Prerequisites:</b>	24 ECTS obtained in first semester			
<b>Preparation/literature:</b>	Specific literature depending on the topic			
<b>Further information:</b>	Thesis to be submitted 13 weeks after registration			
Courses of the module				
Course title	Teaching staff	Contact hours per week	Learning and teaching methods	Examination method(s), scope and duration
Masterthesis und Kolloquium	Teaching staff	4		Written thesis in combination with a presentation