

Module description: Aviation Projects 1			
Module Code	t.BA.AV.PM1.19HS		
ECTS Credits	4		
Language of Instruction/Examination	German		
Organizational Unit	IAMP		
Module Coordinator	Christian Hilbes		
Legal Framework	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.		
Module Characteristic	Type 4* 4 lab lessons per semester week and half-class		
Module Description	You will be working on a project dealing with complex technical questions related to aviation that will challenge your technical skills (mathematics, physics, IT, principles of flight, communication) as well as your team spirit, creativity and management competences.		
Module Content	<ul style="list-style-type: none"> Two projects, according to specifications given by the lecturers. 		
Prerequisite Knowledge			
Learning Objectives (Competences)	Students...	Competencies	Taxonomies
	can generate a target-audience oriented documentation of their project results and assess its quality.	F, M	K3, K4, K5, K6
	develop alternative solution options for a given problem, compare those by using appropriate methods and criteria and take an informed decision on which one to select	M, F	K5, K6
	analyze complex technical problems related to Aviation and to develop solutions based on their mathematical, physical knowledge, by using modeling and simulation tools within a structured problem-solving process.	M, F	K3, K4, K5, K6
	assess their results and the achieved level of completion with respect to the initial problem formulation	SE, SO	K5, K6
	organize themselves within a project team, assign roles and define and plan work items	SO, M	K3, K4, K5
	assume the responsibility coming with the role they play within the project team and to execute related tasks in time and compliant with the team's quality expectations	SE	K3, K4
	can reflect on their own actions and behavior within the team and in relation to their role, and adapt them with regard to achieving project goals	SE, SO	K4, K5, K6
	document the progress of a project and its embedded problem-solving process in a comprehensive and traceable way	F, M	K3, K4, K5

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Performance Assessment	End-of-module exam	Assessment	Length (min.)	Weighting	Form
	other			0	
	Performance assessment during the semester	Assessment	Length (min.)	Weighting	Form
	Reports and Presentation			100	acc. to module agreement
Classroom Attendance Requirement	None				
Learning material					
Comments					