Valid from 2024.HS

Module description: Aviation Projects 2

Module Code	t.BA.AV.PM2.19HS
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 projects 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	• Project, structured in sequential phases, following specifications given by the lecturers.
Prerequisite Knowledge	

Learning Objectives (Competences)

Students...	Competencies	Taxonomies
assess their results and the achieved level of completion with respect to the initial problem formulation	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	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, SO	K4, K5, K6
document the project results, including an assessment, in an adequate, target group related way	M, SO	K3, K4, K5
organize themselves within a project team, assign roles and define and plan work items	SE	K3, K4
analyze complex technical problems related to Aviation and to develop solutions based on their mathematical, physical, by using modeling and simulation tools within a structured problem-solving process	M, F	K5, K6
document the progress of a project and its embedded problem-solving process in a comprehensive and traceable way	SE, SO	K5, K6
The students will be able to:	M, F	K3, K4, K5, K6

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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	Grade		100	acc. to module agreement

Classroom Attendance Requirement	None
Learning material	
Comments	