

Course of Study Aircraft Systems Engineering (Study Cohort w20)

Sample course plan D Master Aircraft Systems Engineering (FSTMS)

Specialisation Air Transportation Systems				Semester 2				Semester 3				Semester 4			
		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk
1	Aircraft Energy Systems (FS1)			Flight Physics (part 2)			System Development Projekt			Master Thesis					
2	Aircraft Systems I	VL	3	Flight Mechanics II	VL	2	Systems Engineering Development Project I+II	PBL	12						
3	Aircraft Systems I	HÜ	2	Flight Mechanics II	HÜ	1									
4				Aircraft Design (part 2)											
5				Aircraft Design II	VL	2									
6				Aircraft Design II	HÜ	1									
7	Flight Physics (part 1)			Flight Control Systems (FS2)											
8	Aerodynamics and Flight Mechanics I	VL	3	Aircraft Systems II	VL	3									
9				Aircraft Systems II	HÜ	2									
10	Aircraft Design (part 1)														
11	Aircraft Design I	VL	2												
12	Aircraft Design I	HÜ	1												
13	Aircraft Cabin Systems			Systems Engineering			Finite Elements Methods								
14	Aircraft Cabin Systems	VL	3	Systems Engineering	VL	3	Finite Element Methods	VL	2						
15	Aircraft Cabin Systems	HÜ	1	Systems Engineering	HÜ	1	Finite Element Methods	HÜ	2						
16															
17															
18															
19	Flight Guidance and Control (part 1)			Flight Guidance and Control (part 2)			Methods of Integrated Product Development								
20	Introduction to Flight Guidance	VL	3	Flight Control	VL	2	Integrated Product Development II	VL	3						
21	Introduction to Flight Guidance	HÜ	1	Flight Control	GÜ	1	Integrated Product Development II	PBL	2						
22	Cabin Systems Engineering (part 1)			Cabin Systems Engineering (part 2)											
23	Computer and communication technology in cabin electronics and avionics	VL	2	Model-Based Systems Engineering with SysML/UML	PBL	3									
24	Computer and communication technology in cabin electronics and avionics	GÜ	1												
25							Airport Planning and Operations								
26							Airport Planning	VL	2						
27							Airport Operations	VL	3						
28							Airport Planning	GÜ	1						
29															
30															
Business & Management (from catalogue) - 6LP															
Non-technical Courses for Master (from catalogue) - 6LP															

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

