

Course of Study Aircraft Systems Engineering (Study Cohort w21)

Legend:
 Core qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Thesis Compulsory Interdisciplinary complement

Sample course plan A Master Aircraft Systems Engineering (FSIMS)				Semester 2		Semester 3		Semester 4	
Year	Course	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk
1	Aircraft Energy Systems			Flight Physics (part 2)		System Development Projekt		Master Thesis	
2	Aircraft Energy Systems	VL	3	Flight Mechanics II	VL	Systems Engineering Development Project I+II	PBL		12
3	Aircraft Energy Systems	HÜ	2	Flight Mechanics II	HÜ				
4				Flight Control Systems					
5				Flight Control Systems	VL				
6				Flight Control Systems	HÜ				
7	Flight Physics (part 1)								
8	Aerodynamics and Flight Mechanics I	VL	3						
9									
10	Aircraft Design I (Civil Aircraft Design)			Systems Engineering					
11	Aircraft Design I	VL	3	Systems Engineering	VL				
12	Aircraft Design I	HÜ	2	Systems Engineering	HÜ				
13						Methods of Integrated Product Development			
14						Integrated Product Development II	VL		3
15						Integrated Product Development II	PBL		2
16	Aircraft Cabin Systems			Flight Control Law Design and Application					
17	Aircraft Cabin Systems	VL	3	Flight Control Law Design and Application	VL				
18	Aircraft Cabin Systems	HÜ	1	Flight Control Law Design and Application	PBL				
19						Modelling and Optimization in Dynamics			
20						Flexible Multibody Systems	VL		2
21						Optimization of dynamical systems	VL		2
22	Control Systems Theory and Design								
23	Control Systems Theory and Design	VL	2						
24	Control Systems Theory and Design	GÜ	2						
25						Avionics for safety-critical Systems			
26						Avionics of Safty Critical Systems	VL		2
27						Avionics of Safty Critical Systems	GÜ		1
28						Avionics of Safty Critical Systems	PR		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.

