Course of Study Aircraft Systems Engineering (Study Cohort w20)

Sample course plan A Master Aircraft Systems Engineering (FSTMS)

Specialisation Aircraft Systems

Legende			
Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	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	**Control Systems Theory and Design**			**Mechatronic Systems**			**Modelling and Optimization in Dynamics**					
20	Control Systems Theory and Design	VL	2	Electro- and Contromechanics	VL	2	Flexible Multibody Systems	VL	2			
21	Control Systems Theory and Design	GÜ	2	Mechatronics Laboratory	PBL	2	Optimization of dynamical systems	VL	2			
22				Electro- and Contromechanics	GÜ	1						
23												
24												
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.