Course of Study Aircraft Systems Engineering (Study Cohort w15)

Sample course plan A Master Aircraft Systems Engineering (FSTMS)
Specialisation Aircraft Systems Engineering

Legend:

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 Systems I**			**Flight Physics (part 2)**			**Aircraft Systems Engineering (part 2)**			**Master Thesis**		
2	Aircraft Systems I	VL	3	Flight Mechanics II	VL	2	Selection from a catalog					
3	Aircraft Systems I	HÜ	1	Flight Mechanics II	HÜ	1						
4				**Aircraft Design (part 2)**			**Finite Elements Methods**					
5				Aircraft Design II	VL	2	Finite Element Methods	VL	2			
6				Aircraft Design II	PS	1	Finite Element Methods	HÜ	2			
7	**Flight Physics (part 1)**			**Aircraft Systems II**								
8	Aerodynamics and Flight Mechanics I	VL	3	Aircraft Systems II	VL	3						
9				Aircraft Systems II	HÜ	1						
10	**Aircraft Design (part 1)**						**Modelling and Optimization in Dynamics**					
11	Aircraft Design I	VL	2				Flexible Multibody Systems	VL	2			
12	Aircraft Design I	HÜ	1				Optimization of dynamical systems	VL	2			
13	**Systems Engineering Development Project I**			**Systems Engineering Development Project II**								
14	Systems Engineering Development Project I	POL	6	Systems Engineering Development Project II	POL	6						
15												
16							**Avionics for safety-critical Systems**					
17							Avionics of Safty Critical Systems	VL	2			
18							Avionics of Safty Critical Systems	UE	1			
19	**Aircraft Cabin Systems**			**Systems Engineering**			Avionics of Safty Critical Systems	PR	1			
20	Aircraft Cabin Systems	VL	3	Systems Engineering	VL	3						
21	Aircraft Cabin Systems	HÜ	1	Systems Engineering	HÜ	1						
22												
23												
24												
25	**Control Systems Theory and Design**			**Aircraft Systems Engineering (part 1)**								
26	Control Systems Theory and Design	VL	2	Selection from a catalog								
27	Control Systems Theory and Design	UE	2									
28												
29												
30												
	Business & Management (from catalogue) - 6LP											
	Nontechnical Elective Complementary 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.