Course of Study Aircraft Systems Engineering (Study Cohort w22)

Legend:

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

Sample course plan A Master Aircraft Systems Engineering (FSTMS)

LP												
1	**Aircraft Energy Systems**			**Flight Physics (part 2)**			**System Development Project**			**Master Thesis**		
2	Aircraft Energy Systems	VL	3	Flight Mechanics II	VL	2	System Development Project	PBL	12			
3	Aircraft Energy Systems	HÜ	2	Flight Mechanics II	HÜ	1						
4				**Flight Control Systems**								
5				Flight Control Systems	VL	3						
6				Flight Control Systems	HÜ	2						
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	3						
12	Aircraft Design I	HÜ	2	Systems Engineering	HÜ	1						
13							**Methods of Product Development**					
14							Methods of Product Development	VL	3			
15							Methods of Product Development	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	2						
18	Aircraft Cabin Systems	HÜ	1	Flight Control Law Design and Application	PBL	2						
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.