

# Course of Study Aircraft Systems Engineering (Study Cohort w22)

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

