



## Pegasus Aerospace System

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# MODUS OPERANDI FOR INDUSTRIAL AERODYNAMICS

DATE	TOPICS	MEETINGS
08-04-2023	Introduction to aerodynamics	Session 1
09-04-2023	<b>Assessment</b>	
10-04-2023	<b>Holiday</b>	Session 2
11-04-2023	Aerodynamic forces and moments	
12-04-2023	External Aerodynamic applications on buildings	Session 3
13-04-2023	Internal Aerodynamic applications on buildings	Session 4
14-04-2023	Aero elastic effect on structures	Session 5
15-04-2023	Hydrodynamics and turbines	Session 6
16-04-2023	<b>Assessment</b>	
17-04-2023	<b>Holiday</b>	
18-04-2023	External Aerodynamic applications on vehicles	Session 7
19-04-2023	IC Engine Aerodynamics	Session 8
20-04-2023	HVAC Aerodynamics	Session 9
21-04-2023	Wind turbine aerodynamics	Session 10
22-04-2023	CATIA - Sketcher	Session 11
23-04-2023	<b>Assessment</b>	
24-04-2023	<b>Holiday</b>	
25-04-2023	CATIA – Part Design I	Session 12
26-04-2023	CATIA – Part Design II	Session 13
27-04-2023	CATIA – Assembly Design	Session 14
28-04-2023	ANSYS – Intro to CFD	Session 15
29-04-2023	ANSYS- External building Simulation	Session 16
30-04-2023	<b>Assessment</b>	
01-05-2023	<b>Holiday</b>	
02-05-2023	ANSYS – Flow through ducts	Session 17
03-05-2023	ANSYS – Flow around cars	Session 18
04-05-2023	ANSYS – Wind turbine analysis	Session 19
05-05-2023	Project Discussion	Session 20
06-05-2023	Project	
07-05-2023	Project	

08-05-2023

Project