

**The Faculty of Mechanical Engineering and Aeronautics**

<b>Subject</b>	<b>ECTS no.</b>
Aerodynamics	3
Aircraft construction	3
Aircraft engine technology	3
Aircraft production engineering	4
Aircraft structures	5
Artificial intelligence based optimization in aerospace engineering	4
Automation and automation control II	5
Aviation law and flight regulations	3
CAD/CAM systems	3
Computer programming for engineering applications	3
Computer methods in aerospace engineering	5
Dynamics of machine	3
Finite element methods	4
Flight control systems	5
Flight mechanics II	6
Fluid mechanics	4
Foundry and welding technology	4
Fundamentals of mechanical engineering	5
Gas dynamics	3
Heat and mass transfer	5
Innovation management	2
Lean manufacturing	4
Logistic management	4
Management information systems	2
Manufacturing machines	2
Manufacturing process design	2
Materials science	3
Navigation	4
On board systems	4
Operational procedures and flight planning	3
Operational research	4
Quality management	4
Personnel management	4
Production logistics	3
Production management	4
Systems of artificial intelligence	2
Theoretical mechanics II	4