

Code	Naam	Cat.	EC	Starting period
Propedeuse				
AE1108-I	Aerospace Materials	BSc	3	2
AE1108-II	Aerospace Mechanics of Materials	BSc	3	3
AE1110-I	Intorduction to Aerospace Engineering I	BSc	5	1
AE1110-II	Intorduction to Aerospace Engineering II	BSc	4	2
AE1130-I	Engineering Mechanics: Statics	BSc	4	1
AE1130-II	Engineering Mechanics: Dynamics	BSc	3	2
AE1205	Programming & Scientific Computing in Python for AE1	BSc	2	4
AE1222-II	Aerospace Design & Systems Engineering Elements	BSc	4	3
AE1240-I	Physics I	BSc	3	3
AE1240-II	Physics II	BSc	3	4
WI1403LR	Linear Algebra	BSc	5	4
WI1421LR	Calculus I	BSc	6	1
WI1402LR	Calculus II	BSc	5	3
Head Phase 2nd Year				
AE2111-11	Aerosp. Design & Syst. Eng. Elements II	BSc	3	1
AE2130-1	Aerodynamics I	BSc	3	1
AE2130-11	Low-Speed Windtunnel Test	BSc	1	3
AE2130-111	Aerodynamics II	BSc	3	4
AE2135-11	Vibrations	BSc	3	2
AE2220-I	Applied Numerical Analysis	BSc	3	3
AE2220-II	Computational Modeling	BSc	3	4
AE2223-II	Experimental Research and Data Analysis	BSc	3	3
AE2230-1	Flight and Orbital Mechanics	BSc	4	3
AE2230-11	Propulsion and Power	BSc	4	3
AE2235-1	Aerospace Systems and Control Theory	BSc	4	4
AE2235-11	Instrumentation and Signals	BSc	3	4
WI2180LR-1	Differential Equations	BSc	4	1
WI2180LR-11	Probability & Statistics	BSc	4	1
3rd Year Major				
AE3211-1	Systems Engineering & Aerospace Design	Bsc	3	3
AE3211-11	Production of Aerospace Systems	BSc	3	3
AE3212-1	Aerospace Flight Dynamics (Flight Test excluded)	Bsc	5	3
Minor Airport of the Future			30	
AE3501-14	Air Transportation	Bsc Minor	4	1
AE3502-14	Airport Planning, Design and Operations	Bsc Minor	4	1
AE3503	Strategic Planning for Airport Systems	Bsc Minor	6	2
CT3080LR	Landside Accessibility of Airport	Bsc Minor	6	1
EE3340TU	Microwave Sensors and Radars for Airport Applications	Bsc Minor	4	2
<i>Starting period from/to</i>				
<i>1 - semester I</i>				
<i>2 - semester I</i>				
<i>3 - semester II</i>				
<i>4 - semester II</i>				

Code	Naam	Cat.	EC	Starting period
MSc Courses				
AE4115	Experimental Simulations	MSc	3	3
AE4117	Fluid-Structure Interaction	MSc	4	3
AE4120	Viscous Flows	MSc	3	1
AE4130	Aircraft Aerodynamics	MSc	3	3
AE4133	CFD II	MSc	4	3
AE4134	CFD I	MSc	4	1
AE4135	Rotor/wake Aerodynamics	MSc	4	3
AE4140	Gas Dynamics	MSc	3	1
AE4143	Hypersonic Aerodynamics	MSc	3	1
AE4180	Flow Measurement Techniques	MSc	3	3
AE4233	Advanced Design Methods (MDO, KBE)	MSc	6	3
AE4237-11	Heat Transfer problems in Gas Turbines	MSc	4	1
AE4238	Aero Engine Technology	MSc	4	1
AE4240	Advanced Aircraft Design I	MSc	4	2
AE4245	Advanced Aircraft Design II	MSc	4	3
AE4301	Automatic Flight Control System Design	MSc	3	1
AE4301P	Exercise Automatic Flight Control System Design	MSc	1	1
AE4302	Avionics and Operations	MSc	3	1
AE4304	Stochastic Aerospace Systems	MSc	3	2
AE4304P	Stochastic Aerospace Systems Practical	MSc	1	2
AE4307	Flight and Space Simulation	MSc	4	4
AE4313	Spacecraft Attitude Dynamics & Control	MSc	3	3
AE4313P	Spacecraft Attitude Dynamics & Control Exercise	MSc	1	3
AE4311	Advanced Flight Control	MSc	4	4
AE4314	Rotorcraft Mechanics and Design	MSc	3	2
AE4315	Advanced Dynamics	MSc	3	2
AE4316	Aerospace Human-Machine Systems	MSc	4	3
AE4320	System Identification of Aerospace Vehicles	MSc	4	3
AE4321	Air Traffic Management	MSc	3	2
AE4441	Operations Optimisation	MSc	6	1
AE4443	Airline Operations	MSc	5	1
AE4445	Introduction to Aircraft Noise	MSc	4	3
AE4447	Aircraft Performance Optimization	MSc	3	3
AE4448	Agent-based Safety Risk Analysis	MSc	4	3
AE4451	Network and Fleet planning	MSc	3	4
AE4454	Life Cycle Analysis and Production	MSc	6	3
AE4462	Aircraft Emissions and Climate Effects	MSc	6	2
AE4463	Advanced Aircraft Noise Modeling	MSc	6	4
AE4464	Aircraft Noise Source Imaging	MSc	4	4
AE4465	Maintenance Modeling & Analysis	MSc	4	2
AE4468	Airline Maintenance Operations	MSc	3	3
AE4870A	Rocket Motion	MSc	3	1
AE4870B	Re-Entry Systems	MSc	3	1
AE4872	Satellite Data Processing	MSc	6	1
AE4874 I	Astrodynamics I	MSc	4	1
AE4874 II	Astrodynamics II	MSc	4	3
AE4876-11	Planetary Sciences II	MSc	4	4
AE4878	Mission Geometry and Orbit Design	MSc	4	1
AE4880	Space Instrumentation	MSc	4	2

AE4890-11	Planetary Sciences I	MSc	4	3
AE4ASM001	Design of lightweight structures I: Composites & Metals	MSc	3	1
AE4ASM002	Designing Materials with Aerospace Specific Properties	MSc	3	1
AE4ASM003	Linear Modeling (incl. F.E.M.)	MSc	3	1
AE4ASM004	Manufacturing of Aerospace Structures & Materials	MSc	3	1
AE4ASM005	Fatigue of Structures and Materials	MSc	3	1
AE4ASM101TU	Polymer Science	MSc	5	2
AE4ASM102	Advanced Alloys	MSc	3	2
AE4ASM103	Functional Coatings	MSc	3	2
AE4ASM104	Sensor Materials	MSc	3	3
AE4ASM105	Trinity Exercise	MSc	4	2
AE4ASM106	Stability & Analysis of Structures I	MSc	3	2
AE4ASM107	Joining Methods	MSc	3	2
AE4ASM108	Experimental Techniques & NDT	MSc	3	2
AE4ASM109	Design & Analysis of Composite Structures I	MSc	5	3
AE4ASM503	Sheet Metal Forming	MSc	3	3
AE4ASM504	Structural Integrity and Maintenance	MSc	3	3
AE4ASM506	Aeroelasticity	MSc	3	3
AE4ASM507	Adaptive Aerospace Structures	MSc	3	3
AE4ASM508	Design of Self Healing Materials	MSc	3	3
AE4ASM509	Design and Manufacturing of Wind Turbine Rotor Blades	MSc	3	3
AE4ASM510	Design & Analysis of Composite Structures II	MSc	3	4
AE4ASM511	Stability & Analysis of Structures II	MSc	3	3
AE4ASM512	Aerospace Structures & Materials Industry Best Practice	MSc	3	4
AE4ASM513	Forensic Engineering	MSc	3	3
AE4ASM514TU	Continuum Mechanics	MSc	4	3
AE4ASM515	Materials Characterization	MSc	3	4
AE4ASM516	Materials Selection in Mechanical Design	MSc	3	3
AE4S01	Thermal Rocket Propulsion	MSc	4	1
AE4S01P	Exercise Thermal Rocket Propulsion	MSc	2	2
AE4S06	Spacecraft Mechatronics	MSc	4	1
AE4S06P	Spacecraft Mechatronics Exercise	MSc	1	2
AE4S10	Microsat Engineering	MSc	4	3
AE4S12	Space Systems Engineering	MSc	3	1
AE4S12E	Exercise Space Systems Engineering	MSc	2	3
AE4S19	Spacecraft Attitude Determination	MSc	3	3
AE4S20	Satellite Thermal Control	MSc	3	1
AE4T40	Kite Power and Propulsion	MSc	3	1
AE4W09	Wind Turbine Design	MSc	5	3
AE4W11	Exercise Wind Turbine Design	MSc	1	3
AE4W13	Site Conditions for Wind Turbine Design	MSc	3	3
AE4W21-14	Wind Turbine Aeroelasticity	MSc	2	4
WI2056LR	Systems Theory	MSc	4	1
WI3150TU	Partial Differential Equations 1	MSc	3	1
WI4051TU	Introduction to Operation Research	MSc	6	1
WM0324LR	Ethics and Engineering for Aerospace Engineering	MSc	3	2