

List of Subjects Offered to Exchange/Short-term Non-local Study Students for Semester 2 (Spring) 2024/25
Department of Aeronautical and Aviation Engineering (AAE)

Subject Code	Subject Name	Credits	Eligible Student Type [see *]	Limitation [see **]	Eligible Student (Year 1) (Y/N)	Eligible Student (Year 2) (Y/N)	Eligible Student (Year 3) (Y/N)	Eligible Student (Year 4 or above) (Y/N)
AAE2003	Introduction to Aircraft Systems	3	ALL	N/A	Y	Y	Y	Y
AAE2005	Electrics and Electronic for Aeronautical Engineering	3	ALL	N/A	N	Y	Y	Y
AAE3001	Fundamentals of Aerodynamics	3	ALL	N/A	N	N	Y	Y
AAE3003	Aircraft Propulsion Systems	3	ALL	N/A	N	N	Y	Y
AAE3006	Safety, Reliability and Compliance	3	ALL	N/A	N	N	Y	Y
AAE3010	Airline Operations	3	ALL	N/A	N	N	Y	Y
AAE3011	Aircraft Performance and Flight Management	3	ALL	N/A	N	N	Y	Y
AAE4002	Capstone Project	6	Dept	48403	N	N	N	Y
AAE4006	Flight Mechanics and Control Systems	3	ALL	N/A	N	N	Y	Y
AAE4009	Data Science and Data-driven Optimisation in Airline and Airport Operations	3	ALL	N/A	N	N	Y	Y
AAE4011	Artificial Intelligence in Unmanned Autonomous Systems	3	ALL	N/A	N	N	Y	Y
AAE4015	Advanced Accident and Hazards Analysis with Big Data in Aviation	3	ALL	N/A	N	N	Y	Y
AAE4105	Engineering Composites	3	ALL	N/A	N	N	Y	Y
AAE4111	Compressible Aerodynamics	3	ALL	N/A	N	N	Y	Y
AAE4112	Satellite System Engineering and Design	3	ALL	N/A	N	N	Y	Y
AAE4113	Aerospace Propulsion	3	ALL	N/A	N	N	Y	Y
AAE4301	Avionics Systems	3	ALL	N/A	N	N	Y	Y
AAE4904	Meteorology in Aviation	3	ALL	N/A	N	N	Y	Y
AAE5002	Human Factors, Accident Prevention and Aircraft Maintenance	3	Dept	48403	N	N	N	Y
AAE5101	Next Generation Air Traffic Control and Air Traffic Flow Management	3	Dept	48403	N	N	N	Y
AAE5103	Artificial Intelligence in Aviation Industry	3	Dept	48403	N	N	N	Y
AAE5106	Flight Standards and Airworthiness	3	Dept	48403	N	N	N	Y
AAE5109	Advanced Neuro-ergonomics and Cognitive Science in Aviation	3	Dept	48403	N	N	N	Y
AAE5110	Air Transport Economics and Policy	3	Dept	48403	N	N	N	Y
AAE5201	Aerodynamics and Computational Fluid Dynamics	3	Dept	48403	N	N	N	Y
AAE5205	Aircraft Engine Systems and Combustion	3	Dept	48403	N	N	N	Y
AAE5206	Artificial Intelligence in Aerospace Engineering	3	Dept	48403	N	N	N	Y

Remarks:

* Eligible Student Type

'ALL' = open to all exchange/short-term non-local study students including those admitted to other departments

'Dept' = open to exchange/short-term non-local study students who are admitted to this department only

** Limitation

'N/A' = open to all exchange/short-term non-local study students

'(programme code and/or stream code)' = only open to exchange/short-term non-local study students who are enrolled in specific discipline/stream/programme