

## Semester 2 Mathematics, Physics and Electrical Engineering Modules for 2024/2025

Subject Area	Module and Code	Level	UK Credits	ECTS
Electrical Engineering	KD5067 Power, Machines and Renewable Energy	5	20	10
Electrical Engineering	KD5064 Analog and Instrumentation	5	20	10
Electrical Engineering	KD6025 Design and Manufacture Analysis	6	20	10
Electrical Engineering	KD6028 Digital System Design and Implementation	6	20	10
Electrical Engineering	KD6030 Optical Communication and System Design	6	20	10
Electrical Engineering	KD6031 Instrumentation and Control of Dynamical Systems	6	20	10
Electrical Engineering	KL6068 Satellite Systems and Space Environment	6	20	10
Mathematics	KC5000 Further Computational Mathematics	5	20	10
Mathematics	KC5001 Applied Statistical Methods	5	20	10
Mathematics	KC5009 Vector Calculus and further dynamics	5	20	10
Mathematics	KC6001 Financial Mathematics	6	20	10
Mathematics	KC6030 Medical Statistics	6	20	10
Mathematics	KC6027 Fluid Dynamics	6	20	10
Mathematics	KC6028 Dynamical Systems	6	20	10
Physics/Physics with Astrophysics	KC5029 Space-time and Electromagnetism	5	20	10
Physics/Physics with Astrophysics	KD5082 Quantum Universe	5	20	10
Physics/Physics with Astrophysics	KD5084 Thermal and Nuclear Energy	5	20	10
Physics/Physics with Astrophysics	KC6032 Cosmology and Stellar Evolution	6	20	10
Physics/Physics with Astrophysics	KD6031 Instrumentation and Control of Dynamical Systems	6	20	10
Physics/Physics with Astrophysics	KC6027 Fluid Dynamics	6	20	10
Physics/Physics with Astrophysics	KC6028 Dynamical Systems	6	20	10
Physics/Physics with Astrophysics	KD6030 Optical Communication and System Design	6	20	10
Physics/Physics with Astrophysics	KL6068 Satellite Systems and Space Environment	6	20	10