

Semester 1 Mathematics, Physics and Electrical Engineering Modules for 2021/2022

Subject area	Module code	Module Name	Level	UK Credits	ECTS
Maths	KL5004	Complex variables	5	20	10
Maths	KC5008	Ordinary and partial differential equations	5	20	10
Maths	KC5001	Applied statistical methods	5	20	10
Maths	KC6034	Complex analysis	6	20	10
Maths	KC6029	Advanced Statistical Methods	6	20	10
Maths	KC6007	Mathematical Cryptology	6	20	10
Maths	KE6030	Geophysical Dynamics	6	20	10
Physics	KC5028	Adv. Mathematics for Physics	5	20	10
Physics	KD5081	Theory, Computation and Experiment	5	20	10
Physics	KD5083	Semi-conductor Physics	5	20	10
Physics	KC6033	Solar Physics	6	20	10
Physics	KD6041	Quantum Devices	6	20	10
Physics	KD6042	Advanced Photovoltaics	6	20	10
Electrical Engineering	KD5066	Communication Systems	5	20	10
Electrical Engineering	KD5065	C Programming and Digital Systems	5	20	10
Electrical Engineering	KD6010	Power Systems	6	20	10
Electrical Engineering	KD6027	Embedded Systems	6	20	10
Electrical Engineering	KD6029	Wireless and RF Systems Design	6	20	10