

Semester 2 Mathematics, Physics and Electrical Engineering Modules for 2020/2021

Subject	Module Code	Module Name	Level	UK Credits	ECTS	Prerequisites
Physics	KD5082	Quantum Universe	5	20	10	Mathematics to level of introductory calculus and linear algebra
Physics	KD5084	Thermal and Nuclear Energy	5	20	10	Mathematics to level of introductory calculus
Physics	KD5083	Semiconductor Physics	5	20	10	Good maths background
Mathematics	KC5029	Space-Time and Electromagnetism	5	20	10	Intermediate maths
Electrical Engineering	KD5065	C programming and Digital Systems	5	20	10	Some knowledge of Electrical Engineering - ideally completed one or more years of degree in Elec Eng. or allied subject
Electrical Engineering	KD5080	Electrical Product Development	5	20	10	Some knowledge of Electrical Engineering - ideally completed one or more years of degree in Elec Eng. or allied subject
Electrical Engineering	KD5067	Power Machines and Renewable Energy	5	20	10	Some knowledge of Electrical Engineering - ideally completed one or more years of degree in Elec Eng. or allied subject
Electrical Engineering	KD6002	Electronic System Design	6	20	10	Needs knowledge of Electrical Engineering from previous years
Electrical Engineering	KF6047	Principles of Mobile Wireless Networks	6	20	10	Needs knowledge of Electrical Engineering from previous years