

DEGREE OF MASTER OF PHYSICS WITH COMPLEX SYSTEMS MODELLING (04F39028)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Award of an Undergraduate Master's Degree

All the courses listed below are prescribed for this degree

The last intake of students to this degree programme will be September 2015
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PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PX 3014	Energy and Matter	15	PX 3510	Advanced Practical Physics	15
PX 3016	Introduction to the Solid State	15	PX 3511	Quantum Mechanics	15
			PX 3512	Electricity and Magnetism	15
Plus 45 credit points, including 15 from Level 3 courses within your discipline and a further 30 from courses of choice.					

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
PX 4007	Case Studies in Physics	15	PX 4514	Modelling Theory	15
PX 4012	Statistical Physics and Stochastic Systems	15	PX 4515	Project B	15
			PX 4510	*Structure Of Matter And The Universe	15
			OR		
			PX 4516	*Nuclear and Semiconductor Physics	15
*These courses alternate on a two year cycle. PX4510 will run in 2017-2018. Plus 15 credit points from level 4 MX course. Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 5 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
PX 5001	Project in Modelling Complex Systems				45
PX 5005	Non-Linear Dynamics and Chaos Theory	15	PX 5502	Modelling Theory	15
PX 5006	Reading in Physics	15	PX 5516	Nuclear and Semiconductor Physics	15
			PX 5555	Non-Linear Dynamics and Chaos Theory II	15

Notes	
1.	Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3, as well as met any further requirements as set by the School.