

## DEGREE OF MASTER OF ARTS IN NATURAL PHILOSOPHY (01F30170)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Master of Arts

**All the courses listed below are prescribed for this degree**

PROGRAMME YEAR 1 – 120 Credit Points					
First Half Session			Second Half Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
AW 1007	Academic Writing for Divinity, History & Philosophy	0			
PD 1001	Professional Skills Part 1	0			
PX 1015	The Physical Universe – A	15	PX 1513	The Physical Universe – B	15
MA 1005	Calculus 1	15	MA 1508	Calculus II	15
MA 1006	Algebra	15			
Plus 30 credit points from level 1 Philosophy courses. Plus 15 credits from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PX 2013	Light Science	15	PX 2505	Practical Optics and Electronics	15
PX 2015	Dynamical Phenomena	15	PX 2510	Relativity and Quantum Mechanics	15
Plus a further 30 credit points of level 2 Philosophy. Plus further courses of choice to make up 120 credit points.					

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 3512	Electricity and Magnetism	15
PX 3016	Introduction to the Solid State	15	PX 3510	Advanced Practical Physics	15
			PX 3511	Quantum Mechanics	15
Plus 30 credit points of level 3 courses in Philosophy. Plus further credit points from courses of choice to gain a total of 120 credits.					

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 4011	Project A				30
PX 4007	Case Studies in Physics	15	PX 4510	*Structure and Matter and the Universe	15
			PX 4516	*Nuclear and Semiconductor Physics	15
PX 4012	Statistical Physics and Stochastic Systems	15	<i>EITHER:</i> PX 4517	Analytical Mechanics and Elements of General Relativity	15
			<i>OR:</i> PX 4514	Modelling Theory	15
*These courses alternate on a 2 year cycle. PX 4510 will run in 2017-2018. Plus 30 further credit points from level 4 Philosophy courses.					

**PLEASE SEE OVER →**

**Notes**

1.	A Philosophy dissertation may be chosen provided the subject chosen is in the Philosophy of Science or a cognate area.
2.	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 the prescribed courses required to enter programme year 3.