MPhys with Astronomy - Programme Structure

Part 1

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS1015	†	5	4	Motion and relativity	PHYS1011	†	5	4	Waves, light & quanta
PHYS1017	†	5	4	Physics Skills 1	PHYS1013	†	5	4	Energy & matter
PHYS1022	†	5	4	Electricity and Magnetism	PHYS1019	†	5	4	Physics Skills 2
MATH1006	†	7.5	4	Introduction to Mathematical Methods	MATH1007	†	7.5	4	Mathematical Methods for Physical Science
PHYS1201	†	7.5	4/5	Physical Skills - Prog & Data Analysis	PHYS1005	†	7.5	4	Introduction to Astronomy and Space Science

Part 2

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS2003	†	7.5	5	Quantum Physics	PHYS2001	†	7.5	5	Electromagnetism
PHYS2022	†	7.5	5	Physics from Evidence 1	PHYS2006	†	7.5	5	Classical Mechanics
PHYS2023	†	7.5	5	Wave Physics	PHYS2024	†	7.5	5	Quantum Physics of Matter
PHYS2013	†	7.5	5	Galaxies	OPTION		7.5	4/5/6	1 option module

Part 3

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS3004	†	7.5	6	Crystalline Solids	PHYS3002	†	7.5	6	Nuclei & Particles
PHYS3008	†	7.5	6	Atomic Physics	PHYS3007	†	7.5	6	Theories of Matter, Space and Time
PHYS6009	‡	7.5	7	Dissertation	PHYS6008 or	‡	7.5	7	Physics from Evidence 2
PHYS3011	†	7.5	6	Photons in Astrophysics	PHYS6017	‡	7.5	7	Computer Techniques
					PHYS3010	†	7.5	6	Stellar Evolution

Part 4

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS6006	†	15	7	MPhys Project (continues through semester 2)					
PHYS6005	‡	7.5	7	Cosmology	PHYS6015	‡	7.5	7	MPhys Synoptic Exam
OPTION		7.5	6/7	1 option module	PHYS6004	‡	7.5	7	Space Plasma Physics
OPTION		7.5	6/7	1 option module	OPTION		7.5	6/7	1 option module

FHEQ levels for options are illustrative, other configurations are possible, but must meet university regulations on forward/back-tracking, and final ECTS accumulation for award (http://www.calendar.soton.ac.uk/sectionIV/cats.html)

Status	†	Core module - must be taken and passed before progression to next level or award
	‡	Compulsory module - must be taken before progression to next level or award