MPhys Astrophysics with a Year Abroad - 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
PHYS1005	†	7.5	4/5	Introduction to Astronomy and Space Science	PHYS1201	†	7.5	4	Physical Skills - Prog & Data Analysis

Part 2

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS2006	†	7.5	5	Classical Mechanics	PHYS2001	†	7.5	5	Electromagnetism
PHYS2022	†	7.5	5	Physics from Evidence 1	PHYS2003	†	7.5	5	Quantum Physics
PHYS2023	†	7.5	5	Wave Physics	PHYS2024	†	7.5	5	Statistical Mechanics
PHYS2013	†	7.5	5	Galaxies	PHYS2011	†	7.5	5	Design and Observation in Astronomy

Part 3

Semester 1		ECTS	FHEQ		Semester 2		ECTS	FHEQ	
PHYS3007	†	7.5	6	Theories of Matter, Space and Time	PHYS3002	†	7.5	6	Nuclei & Particles
PHYS3008	†	7.5	6	Atomic Physics	PHYS3004	†	7.5	6	Crystalline Solids
PHYS6005	‡	7.5	7	Cosmology	PHYS3010	†	7.5	6	Stellar Evolution
PHYS3011	†	7.5	6	Photons in Astrophysics	PHYS6017	‡	7.5	7	Computer Techniques

Part 4

Semester 1		ECTS	FHEQ		Semester 2	ECTS	FHEQ
PHYS6013	†	60	7	Astrophysics Research Project (continues in semester 2)			

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