

4th Year MSci Module List

Msci Code	Local Code	KCL Code	Module Title	College
4100	CP4100	CP4100	Project in physics (1.0 cu)	KCL
4201	7CCP4201	7CCP4201	Maths methods for theoretical physics	KCL
4205	7CMMS01	CMMS01	Lie groups and Lie algebras	KCL
4211	PH4211	O94211	Statistical mechanics	RHUL
4226	PHASM426	O14226	Advanced quantum theory	UCL
4242	PHY415	O44242	Relativistic waves & quantum fields	QMUL
4261	PHY966	O44261	Electromagnetic theory	QMUL
4317	PHASM317	O14C17	Galaxy & cluster dynamics	UCL
4421	PHASM421	O14421	Atom and photon physics	UCL
4427	PHASM427	O14427	Quantum computation & communication	UCL
4431	PHASM431	O14431	Molecular physics	UCL
4442	PHASM442	O14442	Particle physics	UCL
4450	PH4450	O94450	Physical of particle accelerators	RHUL
4472	PHASM472	O14472	Order & excitations in condensed matter	UCL
4473	CP4473	CP4473	Theoretical treatments of nano-systems	KCL
4474	CP4474	CP4474	Physics at the nanoscale	KCL
4478	PH4478	O9478A	Superfluids, condensates and superconductors	RHUL
4500	7CCP4501	7CCP4501	Standard Model physics & beyond	KCL
4512	PH4512	O94512	Nuclear magnetic resonance	RHUL
4515	PH4515	O94515B	Computing & statistical data analysis	RHUL
4534	7CMMS34	CMMS34	String theory and branes	KCL
4541	7CMMS41	CMMS41	Supersymmetry and gauge theory	KCL
4600	MAS415	O44600	Stellar structure and evolution	QMUL
4601	MAS401	O44601	Advanced cosmology	QMUL
4602	MAS412	O44602	Relativity and gravitation	QMUL
4603	MAS402	O44603	Astrophysical fluid dynamics	QMUL
4630	PHASM312	O14630	Planetary atmospheres	UCL
4640	PHASM314	O14640	Solar physics	UCL
4650	MAS423	O44650	Solar System	QMUL
4660	MAS430	O4S430	The galaxy	QMUL
4670	ASTM116	O4S429	Astrophysical plasmas	QMUL
4680	PHASM465	O14C65	Space plasma & magnetospheric physics	UCL
4690	MTH735U	O44690 TBC	Extrasolar planets and astrophysical discs	QMUL
	7CCP4478	7CCP4478	Experimental techniques in condensed matter physics	KCL
	7CCP4479	7CCP4479	Bio and nanomaterials in the virtual Lab	KCL
4800	TBC	TBC	Molecular Bio physics	UCL