

SULTAN QABOOS UNIVERSITY, COLLEGE OF SCIENCE

**Master of Science Degree in Physics
Degree Plan 2011**

SUMMARY

Credits Required	: 24
Core Courses	: 12
Elective Courses	: 12
Research Project	: 0
Non-credit Philosophy of Science	: 0

Course Code	Course Title	Credits	Category	
			Core	Elective
SCIE 6002	Philosophy of Science	0	*	
PHYS 6001	Classical Mechanics	3	*	
PHYS 6002	Classical Electrodynamics	3	*	
PHYS 6003	Quantum Physics	3	*	
PHYS 6004	Statistical Physics	3	*	
PHYS 7001	Research Project	0	*	
PHYS 6011	Quantum Theory	3		*
PHYS 6012	Solid State Theory	3		*
PHYS 6013	Advanced Topics in Condensed Matter Physics	3		*
PHYS 6014	Physics of Disordered Materials	3		*
PHYS 6015	Surface Physics	3		*
PHYS 6016	Experimental Techniques in Physics	3		*
PHYS 6017	Physics of Fluids	3		*
PHYS 6018	Group Theoretical Methods in Physics	3		*
PHYS 6019	Particle Physics	3		*
PHYS 6020	Lasers and Optoelectronics	3		*
PHYS 6021	General Theory of Relativity	3		*
PHYS 6022	Liquid Crystals and Liquid Crystal Devices	3		*
PHYS 6023	Physics of Low Dimensional Semiconductor Devices	3		*
PHYS 6024	Special Topics in Physics I	3		*
PHYS 6025	Special Topics in Physics II	3		*
-----	Maximum of two courses (6 Credits) from appropriate 4000 – 5000 level courses as specified by the Department	2×3 = 6		*

Professor Abraham George Extension: 1453 Email: akgeorge@squ.edu.om