

Programme Regulations 2022/2023

Programme Titles:

MRes Physics (Theoretical) - Code 4865F/P

MRes Physics (Experimental) – Code 4866F/P

Notes

(i) These programme regulations should be read in conjunction with the University's Research Masters Degree Regulations.

(ii) A core module is a module which a student must pass.

(iii) A compulsory module is a module which a student is required to study.

(iv) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.

(v) As a Research Masters degree, this programme reflects specific research themes and aims incorporating research preparation. The programme comprises at least 180 credits of which at least 80 credits will be dedicated to the research project/dissertation.

1. Programme Structure

- (a) The programme is available for study in both full-time and part-time modes.
- (b) The period of study for full-time mode shall be 1 year starting in September.
- (c) The period of study for part-time mode shall normally be 2 years starting in September. Part-time students will negotiate a programme structure with the DPD on a case by case basis.

(d) All candidates shall take the following compulsory modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type
PHY8002	Research Skills I: Scientific Methods	20	20	0		7	Core
PHY8003	Research Skills II: Project Proposal	15	15	0		7	Core
PHY8013	Research Project	110	0	50	60	7	

(e) MRes Physics (Experimental) 4866F/P

(i) All candidates shall take the following compulsory module:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type
PHY8010	Advanced Experimental Research Skills	15	15	0		7	Core

(ii) All candidates shall take one of the following optional modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type
PHY8012	Advanced Topic in Physics	20	10	10	0	7	
PHY8042	Quantum Fluids	20	10	10	0	7	
PHY8044	Quantum Information & Technology	20	10	10	0	7	
PHY8045	Quantum Modelling of Molecules, Solids & Nanostructures	20	10	10	0	7	

(f) MRes Physics (Theoretical) 4865F/P

(i) All candidates shall take the following compulsory modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type
PHY8011	Computational Research Skills in Physics	15	15	0		7	Core

(ii) All candidates shall take one of the following optional modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Type
PHY8012	Advanced Topic in Physics	20	10	10	0	7	
PHY8042	Quantum Fluids	20	10	10	0	7	
PHY8043	General Relativity	20	10	10	0	7	
PHY8044	Quantum Information & Technology	20	10	10	0	7	
PHY8045	Quantum Modelling of Molecules, Solids & Nanostructures	20	10	10	0	7	
PHY8049	Geophysical & Astrophysical Fluids	20	10	10	0	7	

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

3. Progression rules

A student who fails to achieve 50 credits of core modules in semester 1 (including resits) will not be allowed to continue on the programme.