Imperial College London

Primary department Physics

Module Specification (Curriculum Review)

Basic details				Farliagt appart	Latest cohort
UID			Cohorts covered	Earliest cohort	Latest conort
015			Conone covered	202120	
l and title	Comprehensives				
Long title	Comprehensives				
	DI 11 (0)				
New code	PHYS	60002	New short title	Comprehensives	
Brief description of module (approx. 600 chars.)	e physics as taught mainly in the Year 1 & Year 2 core courses, and applying them to unfamiliar				
					535 characters
Available a	as a standalone mod	ule/ short course?	N	J	
Statutory details					
•	ECTS	CATS	Non-credit	l uzasa .	
Credit value	15	30	N	HECOS codes	
FHEQ level Allocation of study					
Lectures	Hours				
Group teaching	22	Incl seminars tutor	ials, problem classes.		
Lab/ practical	0	moi. Semmars, tutor	iais, problem ciasses.		
Other scheduled	0	Incl. project supervi	sion fieldwork exterr	nal visits	
Independent study	349	Incl. project supervision, fieldwork, external visits. Incl. wider reading/ practice, follow-up work, completion of assessments, revisions.			
Placement	0		arning and study that o		
Total hours	375		,		
ECTS ratio	25.00				
Project/placement a					
ls placement ac	ctivity allowed?	No			
Module delivery					
Delivery mode	Taught/ Campus	Other			
Delivery term	Year-long	Other			
Ownership					

Additional teaching departments	None			
Delivery campus	South Kensington			
Collaborative deliv	very			
	Colla	borative delivery?	N	
External institution External department External campus	N/A N/A N/A			
Associated staff				
Role	CID	Given name	Surname	
Module Leader		Chris	Phillips	
Topic Leader		Julie	Euvrard	
Learning and tea Module description	aching			
Learning outcomes	(2) Apply basic physic (3) Successfully conn	ngthened knowledge of es principles to new si ect different areas of	of the basic principles of tuations, physics,	of physics, vidually and as part of a team,
Module content				s modules undertaken in years 1,2 & 3, produce novel solutions.
Learning and Teaching Approach	one academic staff m applying physics princ students will work in s develop skills includin presentation of their s	ember, and are focus ciples and may make small teams (4-6 stude to g team working, time colution to their peers	sed primarily on tackling use of physics from seconts) on unfamiliar, opermanagement, and critat the end of the sessi	They typically comprise 4-5 students and ng open-ended problems which involve everal previous core modules. Additionally, en-ended, and context-rich problems to ical thinking. Each team will give a brief on. These combined activities seek to be learning outcomes outlined above.

Assessment Strategy	Assessment is based on the 2 x 2.5 hour Comprverbal presentation (20%) based on their probler	ehensive exams (80%), plus team-based exercises and m-based learning exercise.
Feedback		rials. For the team-based exercise, written formative over after the sessions and through reflective exercises.
Reading list	University Physics - Young & Freedman, Mathematical Methods in the Physical Science -	Boas
Quality assurance	ce Off	ice use only
Date of first approval		QA Lead
Date of last revision		partment staff
Date of this approval	Date	e of collection
		Date exported
Module leader	Chris Phillips	Date imported
Notes/ comments		

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Programme structure Associated modules

UID	Legacy code	Module title	Requisite type
		Vector Fields, Electricity and Magnetism	Prerequisite
		Mechanics and Relativity	Prerequisite
		Oscillations and Waves	Prerequisite
		Thermal Physics and Structure of Matter	Prerequisite
		Differential Equations and Electromagnetism	Prerequisite
		Quantum Physics	Prerequisite
		Nuclear and Particle Physics	Corequisite
		Solid State Physics	Corequisite

Assessment details

		Pass mark		
Grading method	Numeric		40%	

Assessments

Assessment type	Assessment description	Weighting	Pass mark	Must pass?
Examination	Two 2.5 hour exams	80%	40%	ν
Coursework	Team-based exercise	20%	40%	νN