Imperial College London

Module Specification

Basic details						
LIID		ı	Cabarta aayarad	Earliest cohort	Latest cohort	
UID			Cohorts covered	2025-26		
Long title Statistical methods for experimental physics						
New code	PHYS70021		New short title			
Brief description	This core module	will provide the fo	undational unders	standing of the sta	atistics behind	
	large scale data analysis the physical sciences. The module will cover key concepts in					
(approx. 600 chars.)		statistical modeling, and statistical inference that are essential for understanding the methodologies behind machine learning applications to the experimental sciences. This				
			the statistical back			
	taught in the same term.					
A T. I. I		1.7.1	NI NI	I	462 characters	
Available as a	standalone modu	lie/ snort course?	N			
Statutory details						
Credit value	7.5	CATS 15	Non-credit N	HECOS codes		
Cledit value	7.5	13	IN	TILCOS codes		
FHEQ level	Level 7					
Allocation of study hours						
Lectures	Hours 30					
Group teaching	5	Incl. seminars, tuto	orials, problem classo	es.		
Lab/ practical			, ,			
Other scheduled	0	Incl. project superv	rision, fieldwork, ext	ernal visits.		
Independent study	152.5	Incl. wider reading/ practice, follow-up work, completion of assessments, revisi				
Placement			arning and study tha			
Total hours	187.5					
ECTS ratio	25.00					
2010 14110	20.00					
Proiect/placement activity						
Is placement activity allowed?						
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Module delivery	,					
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Delivery mode	Taught/ Campus	Other				
Delivery term	Term 1	Other				
Ownership						
	Dhyaisa			I		
Primary department	Physics					
Additional						
teaching						