



课程地点

英国·伦敦
帝国理工学

课程时间

2020年2月1日-2月15日（2周）

Imperial College
London

The
G5
Group

帝国理工学院属于G5超级精英大学，
即英国最顶尖的前五所学校之一。

英国帝国理工学院 DSI大数据/AI创新冬季课程



帝国理工学

哈

项目简介

帝国理工将面向中国优

课程安排

	DAY 1		DAY 2		DAY 3		DAY 4		DAY 5	
Morning (9:00-12:30)			Programme Registration							
			Welcome, Introduction to Imperial		Introduction to Exploratory Data Analysis and Visualisation		Data Privacy and Ethics		Distributed Systems and Cloud Computing	
			Introduction to Data Science							
			Group Photo							
Lunch	Flight to London		Welcome Lunch with student ambassadors followed by Campus Tour		Lunch		Lunch		Lunch	
Afternoon (13:30-16:30)			Statistical Foundation of Data Science		Systems and Network Engineering		Computer Systems for Data Science		Conceptual Modeling and Database Design	
Evening	Welcome Dinner		Free Time		Group Project Time		Group Project Time		Group Project Time	
Stages of the Discrete and Continuous Variables	Morning (9:00-12:30)		Database Design Theory and Normalization				Exploratory Data Analysis		Visualisation at all the Data Lifecycle	
	Lunch		Lunch				Lunch		Lunch	
	Afternoon (13:30-16:30)		File Structures, Indexing and Hashing		Work on Study		Work on Study		Visit to BSI 500 Observatory	
	Evening		Free Time				Group Project Time		Free Time	
DAY 15			DAY 11		DAY 12		DAY 13		DAY 14	
Data Normalization	Morning (9:00-12:30)		Dynamic Graphs, Models, Visualisation, Clustering and Classification		Principles of Data Products		Data Products and Case Studies			
	Lunch		Lunch		Lunch		Final Test		Free time to explore London	
	Afternoon (13:30-16:30)		Machine Learning for Data Science		Issues and Strategies of Designing a Data Product		Award ceremony			
	Evening		Group Project Time		Group Project Time		Activity with student ambassadors			

*以上为计划安排，实际安排可能会有调整，以最终安排为准。

为期两周的AI冬季创新课程针对在校本科或读研、对创新思维和创新设计感兴趣的学生而

课程安排

*以上为计划安排，实际安排可能会有调整，



报名须知

报名要求

