

MSc Climate Change, Management & Finance

This document provides a definitive record of the main features of the programme and the learning outcomes that a typical student may reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities provided. This programme specification is intended as a reference point for prospective students, current students, external examiners and academic and support staff involved in delivering the programme and enabling student development and achievement.

Programme Information

Programme Title	Climate Change, Management & Finance			
Award(s)	MSc			
Programme Code	N304			
Awarding Institution	Imperial College London			
Teaching Institution	Imperial College London			
Faculty	Imperial College Business School (lead) Faculty of Natural Sciences			
Department	Imperial College Business School (lead) Grantham Institute for Climate Change			
Mode and Period of Study	1 calendar year full-time (12 months)			
Cohort Entry Points	Annually in October			
Relevant QAA Benchmark Statement(s) and/or other external reference points	Master's Degrees in Business and Management			
Total Credits	ECTS:	90	CATS:	180
FHEQ Level	Level 7			
EHEA Level	2 nd cycle			
External Accreditor(s)	AMBA , EQUIS , AACSB International			
Specification Details				
Student cohorts covered by specification	2016/17 entry			
Person responsible for the specification	Veronica Russell, Teaching Quality Manager			
Date of introduction of programme	October 2016			
Date of programme specification/revision	December 2016			

Description of Programme Contents

The purpose of the programme is to form the necessary interdisciplinary skills required in business in relation to future climate and environmental change. Business decisions are needed on a range of issues related to climate change, including carbon reduction, risk management, financing future ventures and management of supply chains. Well-formed decisions require people with knowledge of business, finance & economics on the one hand, and the scientific case for climate action on the other. In developing these skills, the next generation of business leaders will be equipped to tackle the important environmental challenges of the 21st century.

The first term will familiarise students with the IPCC findings and topical issues in climate science, as well as accounting, corporate finance and economics.

The second term will include modules on mitigation technologies and the impact of climate change. There will remain, as in term 1, a balance between business and climate modules in order to foster links and interactions between the two, with additional modules on marketing, finance and risk management.

The third term and summer months will commence with a few short and concentrated lectures and will then be devoted to undertaking and completing either a report on a work-placement or on a group work of consultancy. In addition students will work on their final individual report.

Learning Outcomes

The Imperial Graduate Attributes are a set of core competencies which we expect students to achieve through completion of any Imperial College degree programme. The Graduate Attributes are available at: www.imperial.ac.uk/students/academic-support/graduate-attributes

The overall aim of the programme is to form the necessary interdisciplinary skills required in business in relation to future climate and environmental change, and the risks these pose to economic growth.

Students who complete the programme successfully will be able to demonstrate knowledge of:

1. The scientific content, outcomes and resulting policies of the Intergovernmental Panel on Climate Change (IPCC)
2. How businesses manage risk, with a particular emphasis on the climate change needs of the 21st Century.
3. Quantitative numerical tools in climate science and business, including environmental forecasting, energy systems, economics, finance, insurance and risk analysis.
4. Business data and finance and how they can be used to drive corporate strategies on climate change risk and opportunities.
5. Sustainability issues and how/whether these are instrumental in forming strategies to manage climate risks, innovate and form medium-long term strategies.
6. How legislation and policy is formed on climate risk and how business works with such decisions.

Entry Requirements	
Academic Requirement	A UK Honours degree at 2:1 or equivalent in a relevant discipline such as science, engineering, economics or mathematics.
Non-academic Requirements	<p>Two references.</p> <p>Applicants who do not meet the academic requirements above but who have substantial relevant industry experience may be admitted following completion of a 'Special Qualifying Exam' (SQE).</p> <p>Home/EU/international candidates will be invited to attend a post-application interview.</p>
English Language Requirement	IELTS 7.0 with a minimum 6.5 in each element or equivalent.
The programme's competency standards documents can be found requested from the Business School's Teaching & Quality Office.	
Learning & Teaching Strategy	
Scheduled Learning & Teaching Methods	<ul style="list-style-type: none"> • Lectures • Practical classes and field work • Equipment/technique demonstrations • Seminars • Workshops • Case studies • Group work exercises, • Formal presentations
E-learning & Blended Learning Methods	<ul style="list-style-type: none"> • Pre-programme VLE modules • On-line discussion forums • On-line lecture materials • Interactive content including video and module quizzes
Project and Placement Learning Methods	<ul style="list-style-type: none"> • Work Placement Opportunity
Assessment Strategy	
Assessment Methods	<ul style="list-style-type: none"> • Written Examinations • Multiple Choice Tests • Essays • Formal Presentations • Reports • Case Studies

Academic Feedback Policy

The School aims to provide feedback to students on coursework within two weeks and to provide provisional examination grades six weeks from the examination date. With each returned coursework assignment, a written evaluation will be provided. General feedback to the cohort is provided on examination performance. Students will not receive individual examination feedback. Students will be provided with an alpha grade. The numerical mark will only be available after the Board of Examiners and will be released by Registry. Grades received during the year are deemed provisional until confirmed by the Final Board of Examiners.

Re-sit Policy

The College's Policy on Re-sits is available at: www.imperial.ac.uk/registry/exams/resit

Mitigating Circumstances Policy

The College's Policy on Mitigating Circumstances is available at: www.imperial.ac.uk/registry/exams

Programme Structure					
Full-time	Pre-session	Autumn Term	Spring Term	Summer Term	Summer Vacation
Core Modules	2	5	5	5	
Elective Modules					1
Projects					1
Assessment Dates & Deadlines					
Written Examinations	January, April/May				
Coursework Assessments	Continuous				
Project Deadlines	Mid-September				
Practical Assessments	Continuous				
Assessment Structure					
Programme Component			ECTS	% Weighting	
Autumn Component The Science of Climate Change (7%) Quantitative Methods (7%) Financial and Carbon Accounting & Reporting (7%) Business Economics, Climate Change and the Environment (7%) Corporate Finance & Corporate Carbon Finance (7%)			27.5	35%	
Spring Component Impacts & Adaption to Climate Change (7%) Risk Management & Climate Change (7%) Mitigating Climate Change (7%) Clean Tech Innovation and Investment (7%) Marketing and Sustainability (7%)			27.5	35%	
Summer Component Energy Economics & Strategy (4%) Climate Change & Governance (4%) Change Management & Leadership (4%) Climate Finance (4%) Sustainable Strategic Management (4%) Consulting Project or Work Placement Report (7%) Climate Change, Management & Finance Report (7%)			35.0	30%	
Total			90	100%	

Marking Scheme

The pass mark for Master's level programmes is 50%.

Where a module has two or more assessments, a mark of between 40-49% may be condoned for individual assessments provided the aggregate of all assessments for the module is equal or greater than 50%.

Where a module has only one assessment a mark of between 40-49% may be condoned if the aggregate for all modules in the programme component is equal or greater than 50%.

Failure in an assessment where the mark is less than 40% cannot be condoned.

Pass

- An aggregate mark of 50% or greater across the programme as a whole
- An aggregate mark of 50% or above in each programme component
- At least 50% in all modules assessed by coursework only*

Merit

- An aggregate mark of 60% or greater across the programme as a whole
- An aggregate mark of 60% or above in each programme component
- At least 50% in all modules assessed by coursework only*

Distinction

- An aggregate mark of 70% or greater across the programme as a whole
- An aggregate mark of 70% or above in each programme component
- At least 50% in all modules assessed by coursework only*

*Energy Economics and Strategy, Climate Change and Governance, Change Management & Leadership, Climate Finance, Sustainable Strategic Management, Consulting Project/Work Placement and Individual Report

Indicative Module List											
Code	Title	Core/ Elective	L&T Hours	Ind. Study Hours	Place- ment Hours	Total Hours	% Written Exam	% Course- work	% Practical	FHEQ Level	ECTS
BS0990	Accounting Primer	Core	12.5	0	0	12.5	Not assessed			N/A	0
BS1991	Quantitative primer	Core	12.5	0	0	12.5	Not assessed			N/A	0
	Induction	Core	35	0	0	35	Not assessed			N/A	0
BS1916	Career & Professional Development Workshops	Core	12.5	12.5	0	25	Not assessed			N/A	0
BS1901	The Science of Climate Change	Core	22	115.5	0	137.5	70%	30%	0%	7	5.5
BS1902	Impacts and Adaptation to Climate Change	Core	22	115.5	0	137.5	70%	30%	0%	7	5.5
BS1903	Quantitative Methods	Core	22	115.5	0	137.5	70%	30%	0%	7	5.5
BS1904	Financial and Carbon Accounting & Reporting	Core	23	114.5	0	137.5	70%	30%	0%	7	5.5
BS1905	Risk Management & Climate Change	Core	23	114.5	0	137.5	70%	30%	0%	7	5.5
BS1906	Business Economics, Climate Change and the Environment	Core	23	114.5	0	137.5	70%	30%	0%	7	5.5
BS1907	Mitigating Climate Change	Core	23	114.5	0	137.5	70%	30%	0%	7	5.5
BS1908	Clean Tech Innovation and Investment	Core	22	115.5	0	137.5	70%	30%	0%	7	5.5
BS1912	Marketing and Sustainability	Core	23	114.5	0	137.5	50%	50%	0%	7	5.5

Indicative Module List											
Code	Title	Core/ Elective	L&T Hours	Ind. Study Hours	Place- ment Hours	Total Hours	% Written Exam	% Course- work	% Practical	FHEQ Level	ECTS
BS1910	Corporate Finance & Carbon Finance	Core	22	115.5	0	137.5	70%	30%	0%	7	5.5
BS1713	Energy Economics & Strategy	Core	10	77.5	0	87.5	0%	100%	0%	7	3.5
BS1911	Climate Change & Governance	Core	13	74.5	0	87.5	0%	100%	0%	7	3.5
BS1909	Change Management & Leadership	Core	12	75.5	0	87.5	0%	100%	0%	7	3.5
BS1918	Climate Finance	Core	12	75.5	0	87.5	70%	30%	0%	7	3.5
BS1913	Sustainable Strategic Management	Core	12	75.5	0	87.5	70%	30%	0%	7	3.5
BS1914	Consulting Project	Core Choice	0	237.5	0	237.5	0%	50%	50%	7	9.5
BS1915	Work Placement	Core Choice	0	62.5	175	237.5	0%	100%	0%	7	9.5
BS1917	Climate Change, Management & Finance Report	Core	0	200	0	200	0%	100%	0%	7	8.0

Supporting Information

The Programme Handbook is available at:

<http://wwwf.imperial.ac.uk/business-school/programmes/programme-information/>

The Module Handbook is made available to students via the Hub once the module commences. Module descriptions are available in the Programme Handbook (link above).

The College's entry requirements for postgraduate programmes can be found at:

www.imperial.ac.uk/study/pg/apply/requirements

The College's Quality & Enhancement Framework is available at:

www.imperial.ac.uk/registry/proceduresandregulations/qualityassurance

The College's Academic and Examination Regulations can be found at:

<http://www3.imperial.ac.uk/registry/proceduresandregulations/regulations>

Imperial College is an independent corporation whose legal status derives from a Royal Charter granted under Letters Patent in 1907. In 2007 a Supplemental Charter and Statutes was granted by HM Queen Elizabeth II. This Supplemental Charter, which came into force on the date of the College's Centenary, 8th July 2007, established the College as a University with the name and style of "The Imperial College of Science, Technology and Medicine".

<http://www.imperial.ac.uk/admin-services/secretariat/college-governance/charters-statutes-ordinances-and-regulations/>

Imperial College London is regulated by the Higher Education Funding Council for England (HEFCE)

<http://www.hefce.ac.uk/reg/of/>

Modifications

Change of assessment weighting for core modules (BS1909 Change Management & Leadership and BS1911 Climate Change & Governance) from 70% exam and 30% coursework to 100% coursework

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Exam duration change for 5 core modules (BS1904 Management Accounting and Carbon Finance, BS1905 Risk Management & Climate Change, BS1906 Business & Climate Change Economics, BS1907 Mitigating Climate Change, BS1912 Marketing and Sustainability) from 3 to 2 hours.

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