

| Programme Information | | |
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| Programme Title | Programme Code | HECoS Code |
| Master's of Research in Business | N1UQ | For Registry Use Only |

| Award | Length of Study | Mode of Study | Entry Point(s) | Total Credits | |
|--------|----------------------------|---------------|-----------------------|---------------|------|
| | | | | ECTS | CATS |
| MRes | 1 calendar year (12 years) | Full time | Annually in September | 90 | 180 |
| PGCert | N/A | N/A | N/A | 30 | 60 |

The PG Certificate is an exit award and is not available for entry. You must apply to and join the MRes.

| Ownership | | | |
|--|-------------------------------------|--|----------------------------------|
| Awarding Institution | Imperial College London | Faculty | Imperial College Business School |
| Teaching Institution | Imperial College London | Department | Imperial College Business School |
| Associateship | Diploma of Imperial College (DIC) | Main Location(s) of Study | South Kensington Campus |
| External Reference | | | |
| Relevant QAA Benchmark Statement(s) and/or other external reference points | | Master's Awards in Business & Management | |
| FHEQ Level | | Level 7 | |
| EHEA Level | | 2nd Cycle | |
| External Accreditor(s) (if applicable) | | | |
| External Accreditor 1: | EQUIS | | |
| Accreditation received: | 2006 | Accreditation renewal: | 2025 (expected) |
| External Accreditor 2: | AACSB International | | |
| Accreditation received: | 2012 | Accreditation renewal: | 2028 (expected) |
| Collaborative Provision | | | |
| Collaborative partner | Collaboration type | Agreement effective date | Agreement expiry date |
| London Business School | Module exchange | September 2021 | Renewal due September 2024 |

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|--|-------------------------|----------------|----------------------------|
| Queen Mary University London | Module Exchange | September 2023 | Renewal due September 2027 |
| Specification Details | | | |
| Programme Lead | Professor Carol Propper | | |
| Student cohorts covered by specification | 2023-24 entry | | |
| Date of introduction of programme | September 23 | | |
| Date of programme specification/revision | August 23 | | |

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| Programme Overview |
| <p>The Master of Research (MRes) at Imperial College in Operations and Marketing is a one-year research-oriented postgraduate programme for individuals who hold an MSc level qualification (or exceptionally a BSc level) qualification and who may wish to progress to doctoral study. The MRes is considered a pre-requisite to our PhD programme.</p> <p>You will select elective modules to familiarise yourself with the research frontier in your chosen area(s) of specialisation and develop independent research interests. There may be opportunities to choose electives from our partner institutions London Business School and Queen Mary University, or from other Business School programmes (subject to availability).</p> <p>During the year, you will work on your MRes project, which can form the basis of later doctoral work.</p> <p>You will be taught by faculty whose research interests address the major issues facing the world today, focussing on key themes in business analytics, design and management of processes across manufacturing and services sectors, marketing analytics, decision making and customer behaviour.</p> <p>Imperial's research-oriented business school offers some of the most exciting and well-resourced environments in which to conduct the social science need to address these major questions. Faculty are engaged in activities across disciplines, departments and faculties within the College through Research Centres that reflect the Business School focus. This places our Doctoral programme in a unique position, allowing College wide research collaboration. You will be able to benefit from the Business School's location in one of the world's leading STEM Universities, with opportunities to take modules taught by faculty outside the Business School in the rest of Imperial.</p> <p>The MRes is a stand-alone degree, although it constitutes for most individuals the necessary training for a planned PhD. Studentship funding is available for candidates with demonstrated potential for a successful research career for both the MRes and PhD programmes.</p> <p>The MRes in Business (in the fields of Operations and Marketing) is offered over 12 months full-time. It is the first year of the School's Doctoral programme which in total is a full-time, five-year programme. It is aimed at students seeking a career in Analytics, Marketing and Operations research.</p> <p>The modules of the MRes provide a theoretical grounding and thorough research training for a solid foundation for an academic career.</p> <p>Electives</p> <p>You will study elective modules equivalent to 45 ECTS. These electives may include offerings from other Departments within Imperial College and with external partners. The programme recognises the diversity of the students recruited to the programme, and the varying research interests and development needs of students admitted to the AMO department. You will be provided guidance by the Department Director on appropriate elective choices for your areas of research interest prior to the start of term.</p> <p><u>MRes Research Project</u></p> |

During the year you will work on your MRes project which is formally assessed and counts towards the overall MRes mark. You are expected to approach potential supervisors from within the department's academic staff. Normally these would be confirmed by January.

Submission for your proposed research project title and a brief outline is due in early February, with a Progress Report due by mid May, outlining your progress to date with the thesis. The final MRes dissertation will be submitted in early July, followed by an oral exam.

Progression to the PhD

Progression to the PhD is not automatic. To progress from the MRes to the PhD, you must successfully complete the MRes with an overall average of 60% (including achieving a minimum of 60% in the research project). Those individuals who successfully complete the MRes programme but are required to re-sit more than one assessment or do not achieve the overall progression requirement would exit with the MRes award and only exceptionally be accepted onto the PhD.

Learning Outcomes

Students who have successfully completed the PG Cert will be able to:

- Demonstrate understanding of social science research methods and techniques relevant to their chosen discipline through assessed exams.

Students who complete the MRes programme successfully will be able to:

- Demonstrate understanding of social science research methods and techniques relevant to their chosen discipline through assessed exams and coursework
- Identify issues and research opportunities in their chosen discipline using the knowledge gained from their academic study
- Formulate research opportunities using their knowledge of theory and current work in their chosen area of research
- Select and apply the appropriate research methods and techniques for research in the areas of Analytics, Marketing and Operations and apply these to their own research projects, assignments and exams.
- Identify issues and new research opportunities in their chosen area of research that can be pursued at PhD level.

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

Entry Requirements

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|------------------------------|--|
| Academic Requirement | Normally a UK Master's degree at merit or distinction, or equivalent, in a subject related to research interests. Exceptionally a UK honours degree at 1st or equivalent, in a subject relevant to research interests. The Business School does not award credit for Prior Learning (Recognition of Prior Certified Learning (RPCL) or Recognition of Prior Experiential Learning (RPEL)). |
| Non-academic Requirements | All applicants will need to complete a personal statement which outlines their motivation for undertaking an MRes and their area of research interest. Applicants should submit GMAT/GRE test scores in 90th percentile. This equates to a GMAT score of 700/800 or higher, or for GRE, the different test elements scores in the 90th percentile roughly equate to: 165/170 in quantitative reasoning, 163/170 in verbal reasoning and 5/6 in analytical writing. GRE is the preferred test for students applying to the Operations pathways. Two references are also required. |
| English Language Requirement | Higher requirement IELTS score of 7.0 overall (minimum 6.5 in all elements). |
| Admissions Test/Interview | Following application review, each eligible candidate is interviewed by |

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| | <p>two faculty members within the specified department. Interviewees are assessed on the following:</p> <ol style="list-style-type: none"> 1. Capability: top-level intellectual capacity 2. Commitment: demonstrated serious intent and ability to pursue PhD studies on a full-time basis 3. Compatibility: research interests that are compatible with those of the research faculty <p>Faculty provide a score out of 5 for academic excellence and fit with the department and interview feedback. Scores and feedback for all candidates are discussed with the Department Research Coordinators and Academic Director, and an offer list and waitlist are confirmed. Second interviews can take place with the Department Research Coordinators.</p> |
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The programme's competency standards documents can be requested from the Business School's Education Quality Office.

Learning & Teaching Approach

Teaching
The programme combines academic rigour and practical relevance. There is a careful balance of teaching and learning, individual and group work. Case study methodology and class-based discussions are used to strengthen the conceptual, analytical and problem-solving skills of the participants in real situations. In addition, there are regular seminars by external expert speakers.

Learning and Teaching Delivery Methods

- Lectures
- Practical classes
- Equipment/technique demonstrations (e.g. Bloomberg, Datastream)
- Seminars
- Workshops
- Case studies
- Group work exercises
- Formal presentations
- Pre-programme on-line modules
- Individual Project

Independent learning
You are expected to spend significant time on independent study outside of face-to-face contact time. This will typically include accessing resources online, reading journal articles and books, undertaking research in the library, reviewing lecture notes and watching lecture recordings, working on individual and group projects, working on coursework assignments and revising for exams.

Overall Workload
Your overall workload consists of face-to-face sessions and independent learning. While your actual contact hours may vary according to the optional modules you choose to study, the following gives an indication of how much time you will need to allocate to different activities at each level of the programme. At Imperial, each ECTS credit taken equates to an expected total study time of 25 hours. Therefore, the expected total study time is 2250 hours per year.

Typically, you will spend approximately 8% of your total study hours on lectures, seminars and similar, and the remainder of your time on independent study.

Assessment Strategy

Assessment Methods

Modules will be assessed by one or more of the following types of assessment methods:

- Participation
- Peer review
- Presentation
- Project

Written Examination
Problem Sets
Term Paper
In Class Test
Literature Review
Article Critical Review
Weekly summaries
Research Proposal
Academic Articles
Essay questions
Research questions
Essay
Journal Entries
Referee Report

Assessed modules comprise coursework that is designed to help you master key elements of the subject and, in part, to help prepare you for the final assessment, which is typically a report or examination. Examinations are scheduled throughout the year, generally at the end of the term the module is taught or at the start of the subsequent term. Exact timings are detailed in the programme overview section above. The format of examinations may be written, computer-based or timed remote assessment. Modules will also contain opportunities for formative assessment where relevant.

Coursework weighting varies among modules. The various assessments allow you to demonstrate that you have met the intended learning outcomes for each module and these collectively contribute towards your achievement of the programme's learning outcomes, detailed above.

Assessments are designed to ensure that you have acquired the core knowledge and skills expected of a Business School graduate and that you are able to apply these in your career aspirations upon completion of the programme..

Feedback can take many forms. You will receive written feedback on all coursework along with other forms of feedback such as verbal feedback on presentations.

Academic Feedback Policy

Feedback can take many forms. During lectures and classes, you will receive verbal feedback on the ideas that you contribute to discussions and on in-class presentations. The online teaching materials contain exercises with built-in, immediate, feedback that is received when you submit an answer.

The School aims to provide feedback on coursework within two weeks. This will be sent in written form to the individual or the group, as appropriate. Academic staff may also provide verbal feedback of a general nature in class or posted to our virtual learning environment. Office hours offered on all modules also provide an opportunity for individual feedback.

The School aims to provide provisional examination grades twenty-five days from the end of the examination period. General feedback to the cohort is provided on examination performance, usually in written form. If you need to resit an examination, you may also approach the module leader for feedback on your performance in the first sitting.

You will be provided with a percentage grade for coursework and examinations with the final numerical mark only confirmed after the Board of Examiners Meeting and then released by Registry. Grades received during the year are deemed provisional until confirmed by the Final Board of Examiners.

The College's Policy on Academic Feedback and guidance on issuing provisional marks is available at: www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/

Re-sit Policy

The College's Policy on Re-sits is available at: www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/

Mitigating Circumstances Policy

The College's Policy on Mitigating Circumstances is available at:
www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/

Additional Programme Costs

This section should outline any additional costs relevant to this programme which are not included in students' tuition fees.

| Description | Mandatory/Optional | Approximate cost |
|-------------|--------------------|------------------|
| None | N/A | N/A |

Important notice: The Programme Specifications are the result of a large curriculum and pedagogy reform implemented by the Department and supported by the Learning and Teaching Strategy of Imperial College London. The modules, structure and assessments presented in this Programme Specification are correct at time of publication but might change as a result of student and staff feedback and the introduction of new or innovative approaches to teaching and learning. You will be consulted and notified in a timely manner of any changes to this document.

| Programme Structure | | | | |
|--|---|-------------------------|-----------|---------|
| Year 1 – FHEQ Level 7 You will complete the compulsory Research Project module, along with elective modules to the value of 45-47.5 ECTS. You will be provided guidance on appropriate elective choices for your areas of interest. | | | | |
| Code | Module Title | Compulsory/ Elective | Term | Credits |
| BUSI70070 | Plagiarism Awareness | Required | September | 0.0 |
| BUSI70462 | Research Project | Compulsory | SP/SU | 45 |
| BUSI70163 | Advanced Topics in Organisational Behaviour | Elective | AU | 7.5 |
| BUSI70190 | Applied Microeconometrics 1 | Elective | AU | 7.5 |
| BUSI70191 | Applied Microeconometrics 2 | Elective | SP | 7.5 |
| BUSI70192 | Asset Pricing Theory | Elective | SP | 7.5 |
| BUSI70471 | Consumer Behaviour | Elective | AU | 7.5 |
| BUSI70317 | Corporate Finance | Elective | AU | 7.5 |
| BUSI70164 | Corporate Sustainability | Elective | AU | 7.5 |
| BUSI70447 | Decision Making Under Uncertainty | Elective | SP | 7.5 |
| BUSI70254 | Digital Marketing Analytics | Elective | SU | 5 |
| BUSI70193 | Econometrics 1 | Elective | AU | 7.5 |
| BUSI70319 | Econometrics 2 | Elective | SP | 7.5 |
| BUSI70194 | Empirical Asset Pricing | Elective | SP | 7.5 |
| BUSI70166 | Entrepreneurship | Elective | SP | 7.5 |
| BUSI70450 | Financial Economics of Climate and Sustainability | Elective | SP | 7.5 |
| BUSI70212 | Healthcare & Medical Analytics | Elective | AU | 5 |
| BUSI70453 | Industrial Organisation | Elective | SP | 7.5 |
| BUSI70167 | Innovation Management | Elective | SP | 7.5 |
| BUSI70168 | Interdisciplinary Research | Elective | AU | 7.5 |
| BUSI70260 | Logistics & Supply Chain Analytics | Elective | SP | 5 |
| BUSI70456 | Machine Learning for Analytics | Elective | SU | 7.5 |
| BUSI70203 | Machine Learning in Economic Analysis | Elective | SP | 7.5 |
| BUSI70195 | Macroeconomics | Elective | SP | 7.5 |
| BUSI70458 | Micro Development Economics | Elective | SP | 7.5 |
| BUSI70198 | Microeconomics 2 | Elective | SP | 7.5 |

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|-----------|--|----------|-------|-----|
| BUSI70196 | Microeconomics I | Elective | AU | 7.5 |
| BUSI70474 | Macro-Finance | Elective | AU | 7.5 |
| BUSI70460 | Optimisation | Elective | AU | 7.5 |
| BUSI70264 | Optimisation & Decision Models | Elective | AU | 5 |
| BUSI70169 | Organisational Behaviour | Elective | AU | 7.5 |
| BUSI70170 | Organisational Theory | Elective | AU | 7.5 |
| BUSI70171 | Qualitative Methods 1 | Elective | SP | 7.5 |
| BUSI70172 | Qualitative Methods 2 | Elective | SP | 7.5 |
| BUSI70173 | Quantitative Methods 1 | Elective | AU | 7.5 |
| BUSI70174 | Readings in Digital Business | Elective | AU | 7.5 |
| BUSI70175 | Readings in Social Networks: Social Capital | Elective | AU | 7.5 |
| BUSI70265 | Retail & Marketing Analytics | Elective | SP | 5 |
| BUSI70178 | Social Data Science | Elective | AU | 7.5 |
| BUSI70179 | Social Network Analysis | Elective | AU | 7.5 |
| BUSI70181 | Special Topics in Organisational Theory and Strategy | Elective | SP | 7.5 |
| BUSI70464 | Stochastic Processes | Elective | SP | 7.5 |
| BUSI70182 | Strategy | Elective | SP | 7.5 |
| BUSI70468 | Sustainable Behaviour | Elective | AU | 7.5 |
| BUSI70330 | Topics in Empirical Banking | Elective | SP | 7.5 |
| BUSI70340 | Topics in Environmental and Resource Economics | Elective | AU/SP | 7.5 |
| BUSI70331 | Topics in Health Economics | Elective | SP | 7.5 |
| BUSI70341 | Topics in Household Finance | Elective | SU | 7.5 |
| ELEC70048 | Probability and Stochastic Processes | Elective | AU | 5 |
| ELEC70067 | Traffic Theory and Queuing Systems | Elective | SP | 5 |
| ELEC70098 | Optimisation | Elective | SP | 5 |
| ELEC70070 | Information Theory | Elective | SP | 5 |

Elective modules delivered by London Business School and Queen Mary, University of London

Year 1 – FHEQ Level 7

You may also choose to study elective modules with our approved partner institution, London Business School and Queen Mary, University of London. See below for an indicative list of approved modules. Note: You can only select one 10 ECTS module from QMUL.

| Code | Module Title | Compulsory/ Elective | Term | Credits |
|-----------|----------------------------------|-------------------------|------|---------|
| BUSI70508 | Basic Readings in Business (LBS) | Elective | AU | 7.5 |

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|-----------|--|----------|----|-----|
| BUSI70509 | Behavioural Foundations of Strategy (LBS) | Elective | SU | 7.5 |
| BUSI70510 | Consumer Behaviour (LBS) | Elective | SP | 7.5 |
| BUSI70511 | Demand and Revenue Management (LBS) | Elective | SU | 7.5 |
| BUSI70513 | Dynamic Programming (LBS) | Elective | SU | 7.5 |
| BUSI70514 | Econometrics 1 (LBS) | Elective | AU | 7.5 |
| BUSI70516 | Econometrics 2 (LBS) | Elective | SP | 7.5 |
| BUSI70518 | Economic Foundations of Strategy (LBS) | Elective | SU | 7.5 |
| BUSI70519 | Empirical Marketing Models (LBS) | Elective | SU | 7.5 |
| BUSI70520 | Entrepreneurship and Innovation (LBS) | Elective | SP | 7.5 |
| BUSI70521 | Financial Economics 1: Asset Pricing (LBS) | Elective | AU | 7.5 |
| BUSI70522 | Financial Economics 2: Empirical Finance (LBS) | Elective | SP | 7.5 |
| BUSI70523 | Financial Economics 3: Corporate Finance (LBS) | Elective | SU | 7.5 |
| BUSI70526 | Inventory Management (LBS) | Elective | SU | 7.5 |
| BUSI70527 | Judgement and Decision Making | Elective | SP | 7.5 |
| BUSI70529 | Macroeconomics 1 (LBS) | Elective | AU | 7.5 |
| BUSI70531 | Macroeconomics 2 (LBS) | Elective | SP | 7.5 |
| BUSI70346 | Micro Organisational Individuals (LBS) | Elective | SP | 7.5 |
| BUSI70533 | Micro Organisational Behaviour - Teams (LBS) | Elective | AU | 7.5 |
| BUSI70534 | Microeconomics 1 (LBS) | Elective | AU | 7.5 |
| BUSI70536 | Microeconomics 2 (Part 1) (LBS) | Elective | AU | 7.5 |
| BUSI70537 | Microeconomics 2 (Part 2) (LBS) | Elective | SP | 7.5 |
| BUSI70539 | Modelling (LBS) | Elective | SU | 7.5 |
| BUSI70540 | MSO PhD Seminar Advanced Optimization (LBS) | Elective | SU | 7.5 |
| BUSI70541 | PhD Seminar Accounting 1 (LBS) | Elective | SU | 7.5 |
| BUSI70542 | PhD Seminar Accounting 2 (LBS) | Elective | SU | 7.5 |
| BUSI70543 | Probability Models in Marketing (LBS) | Elective | AU | 7.5 |
| BUSI70544 | Proseminar in Marketing (LBS) | Elective | SP | 7.5 |
| BUSI70545 | Research Design (LBS) | Elective | SU | 7.5 |
| BUSI70546 | Sociological Foundations of Strategy (LBS) | Elective | AU | 7.5 |
| BUSI70547 | Statistical Research Methods 1 (LBS) | Elective | AU | 7.5 |
| BUSI70347 | Statistical Research Methods 2 (LBS) | Elective | SP | 7.5 |
| BUSI70548 | Strategy Core Doctoral Seminar (LBS) | Elective | AU | 7.5 |

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| BUSI70348 | Topics in Econometrics (LBS) | Elective | SU | 7.5 |
| BUSI70549 | Topics in Macroeconomics (LBS) | Elective | SU | 7.5 |
| BUSI70551 | Topics in Microeconomics (LBS) | Elective | SU | 7.5 |
| BUSI70503 | Advanced Econometrics (QMUL) | Elective | AU | 7.5 |
| BUSI70506 | Advanced Macroeconometrics (QMUL) | Elective | AU | 7.5 |
| BUSI70507 | Advanced Microeconometrics (QMUL) | Elective | AU | 7.5 |
| BUSI70512 | Development Economics (QMUL) | Elective | SP | 7.5 |
| BUSI70525 | International Economics (QMUL) | Elective | SP | 7.5 |
| BUSI70528 | Labour & Public Economics (QMUL) | Elective | SP | 7.5 |
| BUSI70550 | Topics in Microeconometrics (QMUL) | Elective | SP | 7.5 |
| BUSI70504 | Advanced Finance 1 (QMUL) | Elective | AU | 7.5 |
| BUSI70505 | Advanced Finance 2 (QMUL) | Elective | SP | 7.5 |
| BUSI70515 | Econometrics 1 (QMUL) | Elective | AU | 10 |
| BUSI70517 | Econometrics 2 (QMUL) | Elective | SP | 10 |
| BUSI70524 | Foundations in Asset Pricing Theory (QMUL) | Elective | AU | 7.5 |
| BUSI70530 | Macroeconomics 1 (QMUL) | Elective | AU | 10 |
| BUSI70532 | Macroeconomics 2 (QMUL) | Elective | SP | 10 |
| BUSI70535 | Microeconomics 1 (QMUL) | Elective | AU | 10 |
| BUSI70538 | Microeconomics 2 (QMUL) | Elective | SP | 10 |
| Credit Total | | | | 90-92.5 |

Progression and Classification

Award and Classification for Postgraduate Students

Award of a Postgraduate Certificate (PG Cert)

To qualify for the award of a postgraduate certificate a student must have a minimum of 30 credits at Level 7 (this may include a maximum of 10 credits from Level 6 where this is approved as part of the award).

Award of a Postgraduate Degree (including MRes)

To qualify for the award of a postgraduate degree a student must have:

1. accumulated credit to the value of no fewer than 90 credits at Level 7
2. and no more than 15 credits as a Compensated Pass;
3. met any specific requirements for an award as outlined in the approved programme specification for that award.

Classification of Postgraduate Taught Awards

The College sets the class of Degree that may be awarded as follows:

1. Distinction: 70.00% or above.
2. Merit: 60.00% or above but less than 70.00%.
3. Pass: 50.00% or above but less than 60.00%.

For a Masters, your classification will be determined through the weighted average mark in the designated 'taught' and 'research' aspects of the programme each meeting the threshold for the relevant classification band.

Your degree algorithm provides an appropriate and reliable summary of your performance against the programme learning outcomes. It reflects the design, delivery, and structure of your programme without unduly over-emphasising particular aspects.

Programme Specific Regulations

N/A

Supporting Information

The Programme Handbook is available at: www.imperial.ac.uk/business-school/programmes/programme-information/

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: www.imperial.ac.uk/about/governance/academic-governance/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".
www.imperial.ac.uk/admin-services/secretariat/college-governance/charters/

Imperial College London is regulated by the Office for Students (OfS)
www.officeforstudents.org.uk/advice-and-guidance/the-register/

This document provides a definitive record of the main features of the programme and the learning outcomes that you may reasonably be expected to achieve and demonstrate if you take full advantage of the learning opportunities provided. This programme specification is primarily intended as a reference point for prospective and current students, academic and support staff involved in delivering the programme and enabling student development and achievement, for its assessment by internal and external examiners, and in subsequent monitoring and review.