

Q-Step Centres Disciplines and New Activities



A step-change in
quantitative social
science skills

Funded by the
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ESRC and HEFCE

The Disciplines that will be included in each of the fifteen Q-Step Centres new programmes of activity													
Q-Step Centres	Disciplines												
	Area Studies	Criminology	Education	Environmental Planning	Human Geography & Demography	Linguistics	Management & Business Studies	Political Studies & International Relations	Social Anthropology	Social Policy	Social Work	Socio-Legal studies	Sociology
University of Bristol			✓		✓			✓		✓			✓
Cardiff University		✓	✓							✓			✓
City University		✓						✓					✓
University of Edinburgh			✓			✓		✓		✓		✓	✓
University of Exeter	✓	✓	✓					✓	✓				✓
University of Glasgow			✓					✓		✓			✓
University of Kent		✓					✓	✓		✓		✓	✓
University of Leeds			✓		✓		✓	✓		✓		✓	✓
Manchester Metropolitan University		✓											✓
University of Manchester		✓				✓		✓					✓
University of Oxford								✓					✓
Queen's University Belfast		✓						✓		✓	✓		✓
University of Sheffield				✓	✓		✓	✓				✓	✓
University College London					✓			✓					
University of Warwick								✓					✓

Q-Step Centres Disciplines and New Activities

Table showing a summary of planned Q-Step activities for each Q-Step Centre (QM= quantitative methods)

University of Bristol

Coordinator: **Professor Richard Harris** rich.harris@bris.ac.uk

- New BSc/MSci degree programmes with QM in: Politics and International Relations, Sociology, Policy Studies, Childhood Studies and Human Geography
- New second-year QM units based around lab work and applied data analysis
- Additional work placements
- Increased capacity to support quantitative dissertation work amongst students in the five disciplines
- Inter-disciplinary seminar series
- Fourth year shares teaching with postgraduate Advanced Quantitative Methods pathway to doctoral research
- Bursaries for fourth year MSci

Cardiff University

Coordinator: **Professor Malcolm Williams** WilliamsMD4@cardiff.ac.uk

Deputy: **Dr Luke Sloan** sloanLS@cardiff.ac.uk

Deputy: **Dr Sin Yi Cheung** CheungSY@cardiff.ac.uk

- New BSc Joint Honours degrees in each of the relevant disciplines plus Social Analytics
- New QM modules, most of which will utilise secondary data analysis
- Compulsory work placements for Social Analytics pathway
- Residential summer school with field trips
- Placements in a university research environment
- New Joint Honours degree to be developed into 3 + 1 Masters course

City University London

Coordinator: **Dr Rachel Cohen** Rachel.Cohen.1@city.ac.uk

Deputy Coordinator: **Dr Eric Harrison** Eric.Harrison.2@city.ac.uk

- QM embedded in seven BSc programmes: Criminology and Sociology, Media Studies and Sociology, Sociology, Criminology, Sociology and Psychology, International Political Economy and International Politics
- QM Pathways with quantitative methods developed for first four of above programmes
- New modules, including five that are lab-based
- Work placements and international internships for students on a QM pathway
- External speakers, a QM seminar series and a bi-annual Datadive
- Bursaries for Masters in Advanced Quantitative Methods

University of Edinburgh

Coordinator: **Dr Alison Koslowski** Alison.Koslowski@ed.ac.uk

- New courses available to all social science students including introducing or expanding QM in existing degrees and new degree programmes with QM
- Work placements for students on 'with QM' degree programmes
- Dedicated summer schools for secondary school students interested in QM in the social sciences
- Vacation conversion course after year one for transfer to 'with QM' degree programmes
- Strengthening existing Masters level social-science provision

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University of Exeter

Coordinator: **Professor Susan Banducci** S.A.Banducci@exeter.ac.uk

- New BSc degrees with emphasis on applied data analysis in: Sociology, Criminology and Politics and International Relations
- New 3 + 1 Masters in Political Research with Applied Data Analysis
- Proficiency in Applied Data Analysis add-on to other degrees
- All new courses delivered with hands-on practical laboratory sessions and training in industry-standard software and techniques
- Focus on employability including guaranteed work placements on new BSc and Masters with a bursary of up to £1,500
- Bursaries for vacation summer training
- 3 + 1 Masters prepares students for PhD programme in Advanced Quantitative Methods
- Stream on quantitative social science research will be introduced in area schools by Exeter's project to inspire students about contemporary social research

University of Glasgow

Joint Coordinators:

Professor Chris Carman Christopher.Carman@glasgow.ac.uk

Dr Jo Ferrie Jo.Ferrie@glasgow.ac.uk

- New undergraduate degrees in: MA Quantitative Politics, MA Quantitative Public Policy, MA Quantitative Sociology and MA Education
- New postgraduate counterparts to the above new undergraduate degrees leading to MSc in Quantitative Social Research
- Embed statistical numeracy in all existing MA SocSci and MEd degrees
- Summer schools on preparation for quantitative research
- Research projects in schools
- Pathway to new MSc and links to existing MSc in Social Statistics
- Outreach to schools via student ambassadors and taster events

University of Kent

Joint Coordinators:

Dr Ben Baumberg B.P.Baumberg@kent.ac.uk

Dr Trude Sundberg T.Sundberg@kent.ac.uk

- All students in the selected social science disciplines will follow one of three journeys, with QM modules connected to substantive issues rather than taught as abstract 'methods courses':
 - Gold QM – 165 credits – a new BSc Quantitative Social Science
 - Silver QM - 120 credits – optional Minor in Quantitative Social Science (e.g. 'BA Criminology with Quantitative Social Science')
 - Bronze QM - 60 QM credits – for all students
- Research and work placement opportunities in professional environments, on multiple occasions in Years 2-4
- Summer schools for students on 'gold' and 'silver' QM pathways
- Pipeline to Masters in Applied Quantitative Social Science for students on 'gold' and 'silver' QM pathways
- Postgraduate bursaries funded by University of Kent
- Annual conference for year 12 students and follow-up events in schools
- Support and new materials for school maths teachers

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University of Leeds

Coordinator: **Julia Clarke** J.Clarke@lubs.leeds.ac.uk

- New applied QM modules working on real social science problems using data from live research projects ongoing at the University – focus on big data
- Pre-sessional summer school for year 12 and 13 students
- Summer school for Year 1 students wanting to transfer to QM pathway or refresher for those already on it
- New QM pathways through undergrad degrees across the social sciences – badged “with QM”
- QM provision within programmes across social science
- 4 year Integrated Masters (IM) (3 +1 model) in Human Resource Management, International Business and Management
- Elective modules applying QM within a social science context open to STEM students
- Experiential learning through work placements in Research Centres, organisations and businesses
- Research with graduate employers to understand QM skills needs

Manchester Metropolitan University

Coordinator: **Dr Julie Scott Jones** J.Scott@mmu.ac.uk
Deputy Coordinator: **Dr John Goldring** j.goldring@mmu.ac.uk

- New ‘with Quantitative Methods’ named degree route
- New Diploma in Quantitative Social Science for 60 credits in QM units
- Embed QM in half of all substantive courses
- New MSc in Applied Social Research (half of places reserved for MMU sociology graduates)
- Maths diagnostic assessment on entry and provision of numeracy support workshops
- ‘Pop-up’ data labs and coaching from senior students
- Two-day vacation workshops for dissertation support
- Research placements in organisations within community networks in Greater Manchester
- Two-week taster of QM Masters work for final year undergraduates
- Postgraduate bursaries
- Outreach to sociology A level students through ‘exploring the evidence’ days

University of Manchester

Joint Coordinators:
Dr Jackie Carter Jackie.Carter@manchester.ac.uk
Dr Mark Brown Mark.Brown@manchester.ac.uk

- Develop QM pathway within new interdisciplinary BA Social Science
- Embed quantitative data and method into substantive curriculum of all degrees in selected disciplines
- All new modules involve hands-on learning in data labs
- Workshops for students enrolling on the new BA, students preparing for internships and dissertation preparation
- Internships in second and third year, within the university, with employers and with international organisations
- Bursaries to support students progressing from new BA to existing 1 + 3 postgraduate training
- Outreach to encourage more applications from students studying STEM subjects

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University of Oxford Coordinator: **Professor Catherine De Vries** catherine.devries@politics.ox.ac.uk

- Introduction of new quantitative methods training and dissertations options in BA Politics, Philosophy and Economics, and BA History and Politics
- Access to new QM teaching for students across the social sciences who are not on these degrees
- New hands-on data labs as core element of new teaching provision
- Availability of internships/work placements exposing students to the development of QM skills in a professional/policy context
- Residential workshops for undergraduates at other UK universities and access to online teaching materials
- Residential event for sixth formers demonstrating the relevance of QM in undergraduate studies and careers

Queen's University Belfast Coordinator: **Professor Mike Tomlinson** M.Tomlinson@qub.ac.uk
Deputy Coordinator: **Dr Emma Calvert** e.calvert@qub.ac.uk

- Joint honours in Sociology and Quantitative Research offered as 3 + 1
- Two new QM modules in Politics
- Embed QM in substantive courses in Sociology, Criminology, Politics, Social Work and Social Policy degrees
- Increased use of data labs on new and existing courses
- Research placements with public and private sector partners offered at the end of the second year joint honours course
- Awards for students undertaking QM-based dissertations in third year
- Bursaries for 3 + 1 joint honours degree and for progression to Masters in Social Research
- Outreach with schools and colleges including open days and taster events
- Integration of social sciences within ongoing work with Maths A level teachers

University of Sheffield Coordinator: **Professor Charles Pattie** C.Pattie@sheffield.ac.uk

- New BA Quantitative Social Science across seven departments sharing core methods modules with specialist training and substantive material through three pathways: social, political and legal; spatial analysis, environment and visualisation; and management
- Increase and further embed QM in substantive modules across all undergraduate degrees
- New data lab operated by planned Institute for Quantitative Social Science (QSS)
- Involvement of undergraduates in annual survey of Sheffield adults
- Opportunity to apply for existing undergraduate research experience placements and student research assistant scheme
- Development of new 3 + 1 opportunities linking new BA QSS to QM-related Masters degrees
- Bursaries to progress to +1 opportunities
- Annual social science lab event at ESRC Festival of Social Science
- Annual summer school/conference for students and employers

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University College London Coordinator: **Dr Jennifer van Heerde-Hudson** Jennifer.hudson@ucl.ac.uk
Deputy: **Professor John Micklewright** J.Micklewright@ioe.ac.uk
Deputy: **Dr Slava Mikhaylov** s.mikhaylov@ucl.ac.uk

- Three new degrees: Politics, Philosophy and Economics (standard and QM pathway), Population Health Science (quantitatively oriented) and Human Geography (quantitatively oriented)
- Increased QM training in Anthropology and Human Geography
- Three new core QM modules and embedding of QM in substantive courses
- Small team-based hands-on learning in data labs
- Short courses within QM Summer School taught by the Institute of Education
- Internships
- 3 + 1 bursary scheme for designated QM pathways
- QM Roadshow to schools
- Integrate information about the QM centre into existing outreach activities

University of Warwick Coordinator: **Dr Emma Uprichard** E.Uprichard@warwick.ac.uk

- Two new undergraduate degrees and three new postgraduate degrees as +1 degrees: BA Politics, International Studies and Quantitative Methods, BA Sociology and Quantitative Methods, MA Quantitative Research in Politics and International Studies, MA Quantitative Sociological Research and MSc Social Analytics
- Embed QM across all Politics and International Studies and Sociology undergraduate modules
- Lab learning on all new core modules
- Seminar series and statistical surgeries
- Vacation QM Camps addressing global research challenges
- Work placements at the end of second year undergraduate and at the end Masters
- Postgraduate bursaries
- Massive Online Open Course (MOOC) pre-Masters
- QM support to teachers and pupils in schools and college