Programme Title: Economic Studies, Statistics & Mathematics

Programme Specification (UG)

Awarding body / institution:	Queen Mary University of London
Teaching institution:	Queen Mary University of London
Name of final award and programme title:	(BSc (Econ))Economic Studies, Statistics & Mathematics
Name of interim award(s):	CertHE, Dip HE
Duration of study / period of registration:	3 Years
QMUL programme code / UCAS code(s):	
QAA Benchmark Group:	Economics/Mathematics
FHEQ Level of Award :	Level 6
Programme accredited by:	N/A
Date Programme Specification approved:	
Responsible School / Institute:	School of Economics and Finance

Schools / Institutes which will also be involved in teaching part of the programme:

School of Mathematical Sciences

Collaborative institution(s) / organisation(s) involved in delivering the programme:

N/A

Programme outline

This programme is designed to provide a solid foundation for a career in economics and cognate areas and will follow a joint programme that includes a combination of economics and mathematics/statistics in approximately equal proportions.
The programme contains a basic core of general economics, mathematics and statistics. This leads on to more specialised modules in economics and relevant mathematics and statistics modules. It combines training in statistical theory and related areas of mathematics with economic theory. It provides hands-on experience of using statistical packages and presentation of reports. Graduates of this programme obtain jobs requiring mathematical and statistical reasoning in both the private and the public sector. They may also be suited to further training in economics and statistics.

Aims of the programme

To provide a challenging and friendly learning environment in which research of international standing informs and supports effective teaching;
To provide a solid foundation for a career in economic theory, quantitative economics, finance, and cognate areas;
To encourage students to develop the motivation and capacity to manage their own learning, and acquire a range of transferable skills valuable to them in employment or in continued education.

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What will you be expected to achieve?

The degree will provide you with a thorough training in theoretical and applied economics and finance. You will be confronted with the latest developments in these fields and will develop an ability to provide critical and analytical interpretation of past and current economic and financial events. You will be able to engage in policy analysis and you will be able to support it through a competent, informative and critical use of economic and financial data using statistics and quantitative tools. Your ability to engage in economic, financial and policy analysis will be supported by the development of communication, team-building, reflective and project management skills. You will also have a good knowledge and understanding in advanced areas of mathematics and statistics, chosen by from a range of topics, including a high proportion relevant to economics and finance.

Please note that the following information is only applicable to students who commenced their Level 4 studies in 2017/18, or 2018/19

In each year of undergraduate study, students are required to study modules to the value of at least 10 credits, which align to one or more of the following themes:

- networking
- multi- and inter-disciplinarity
- international perspectives
- enterprising perspectives.

These modules will be identified through the Module Directory, and / or by your School or Institute as your studies progress.

Academic Content:	
A 1	Demonstrate knowledge and understanding of a core of economic principles and analysis to an appropriate level;
A 2	Show some knowledge and understanding of the application of statistical methods to economic data, using econometric software where appropriate;
A 3	Apply economic reasoning to a range of policy issues;
A 4	Show knowledge and understanding of a number of specialised areas in economics.

Disciplinary Skills - able to:	
B 1	Solve problems, through conceptualisation and analysis;

B 2	Collaborate, through working co-operatively;
B 3	Communicate, through oral and written presentations;
B 4	Use IT skills (internet to retrieve information; email to share information; word processing and spreadsheets to store, analyse and present information);
B 5	Manage time and work cooperatively within a community;
B 6	Achieve objectives by the relevant deadlines.

Attributes:	
C 1	acquire and apply knowledge in a rigorous way;
C 2	connect information and ideas within their field of study;
C 3	use writing for learning and reflection;
C 4	adapt their understanding to new and unfamiliar settings;
C 5	acquire new learning in a range of ways, both individually and collaboratively;
C 6	use quantitative data confidently and competently;
C 7	acquire transferable key skills to help with career goals and continuing education;
C 8	develop effective spoken and written English;
C 9	acquire substantial bodies of new knowledge;
C 10	use information for evidence-based decision-making and creative thinking.

How will you learn?

The learning outcomes for the programme are delivered by a range of modules across the programme. Students on economics studies, stats and Maths will be able to choose from a small range of modules in years one and two, enabling them to specialise in year three. Teaching and learning is mainly via lectures and seminars. Teaching and learning strategies vary from module to module.
Subject specific skills in the areas of macroeconomics, microeconomics, quantitative techniques and finance are introduced and developed via the first and second year modules. Students then have a wide range of electives to choose from in year three, building on the skills they obtained previously.
Students will be required to take the prescribed Maths modules but will be able to take the remaining modules from SEF.

How will you be assessed?

Assessment is by a variety of methods including formal examinations, in-class tests, coursework of various forms, presentations, independent dissertation. Most modules will have two methods of assessment. Please refer to the academic regulations at: (http://www.arcs.qmul.ac.uk/policy_zone/index.html)

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How is the programme structured?

Please specify the structure of the programme diets for all variants of the programme (e.g. full-time, part-time - if applicable). The description should be sufficiently detailed to fully define the structure of the diet.

BSc Economic Studies, Statistics and Mathematics is a uniquely flexible degree route within the School of Economics and Finance (SEF). With no core or compulsory SEF modules, students are able to choose their own bespoke blend of modules from those on offer within SEF, including topics from the fields of microeconomics, macroeconomics, finance, and econometrics. Please note that prerequisites will still apply, so these should be considered when making module choices.

Year 1:

Take 120 credits in total, including at least 60 credits of level 4 modules from the School of Economics and Finance. Students must take the compulsory 60 credits from SMS, listed below.

Year 2:

Take 120 credits in total, including at least 60 credits of level 5 modules from the School of Economics and Finance. Students must take the compulsory 60 credits from SMS, listed below

Year 3:

In the final year, students must take at least 105 credits at Level 6. Students must take at least 30 credits of level 6 modules offered by the School of Mathematical Sciences and at least 30 credits of level 6 modules offered by SEF

Students must have completed a minimum 90 credits at L4+ in year one and minimum 90 at L5+ in year two".

Academic Year of Study FT - Year 1

Module Title	Module Code	Credits	Level	Module Selection Status	Academic Year of Study	Semester
Personal and Career Development Plan 1	ECN003	0	4	Compulsory	1	Semesters 1 & 2
Sets, Functions and Numbers	MTH4113	15	4	Compulsory	1	Semester 1
Introduction to Probability	MTH4107	15	4	Compulsory	1	Semester 1
Vectors and Matrices	MTH4115	15	4	Compulsory	1	Semester 2
Probability and Statistics I	MTH4116	15	4	Compulsory	1	Semester 2
Students must take at least 60 Credits from SEF		60	4	Elective	1	Semesters 1 & 2

Academic Year of Study FT - Year 2

Module Title	Module Code	Credits	Level	Module Selection Status	Academic Year of Study	Semester

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Module Title	Module Code	Credits	Level	Module Selection Status	Academic Year of Study	Semester
Applied Linear Algebra	MTH5212	15	5	Compulsory	2	Semester 1
Probablility and Statistics II	MTH5129	15	5	Compulsory	2	Semester 1
Statistical Modeling I	MTH5120	15	5	Compulsory	2	Semester 2
Introduction to Computer Programming	MTH5001	15	5	Compulsory	2	Semester 2
Students must take at least 60 Credits from SEF		60	5	Elective	2	Semesters 1 & 2
Personal and Career Development Plan 2	ECN004	0	5	Compulsory	2	Semesters 1 & 2

Academic Year of Study FT - Year 3

Module Title	Module Code	Credits	Level	Module Selection Status	Academic Year of Study	Semester
Students must take at least 105 credits at Level 6		105	6	Elective	3	Semesters 1 & 2
Students must take at least 30 credits of level 6 SMS modules		30	6	Elective	3	Semesters 1 & 2
at most 30 credits can be taken from anywhere within the university (15 at level 5)		15	5	Elective	3	Semesters 1 & 2
Students must take at least 30 credits of level 6 SEF modules		30	6	Elective	3	Semesters 1 & 2
Personal and Career Development Plan 3	ECN005	15	6	Compulsory	3	Semesters 1 & 2

What are the entry requirements?

Direct entry is prohibited. Entry at Year 2 or 3 is permitted for existing QMUL students who (a) wish to switch from an existing programme or (b) have not passed the required modules for their Programme.

Students need to meet all requirements up to the point of transfer.

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How will the quality of the programme be managed and enhanced? How do we listen to and act on your feedback?

Input from external examiners, students and regular internal discussion are the main channels through which the programme's quality will be managed and enhanced.

The Teaching and Curriculum Development (TCD) committee deals with all matters relating to the delivery of taught programmes at School level including monitoring the application of relevant QM policies and reviewing all proposals for module and programme approval and amendment before submission to Taught Programmes Board. Student views are incorporated in this Committee's work in a number of ways, such as through the SSLC, or consideration of module evaluation questionnaires.

All Schools operate an Annual Programme Review of their taught undergraduate and postgraduate provision. The process is normally organised at a School-level basis with the Head of School, or equivalent, responsible for updating the School's Taught Programmes Action Plan. Students' views are considered in this process through analysis of the National Student Survey (NSS) and module evaluations.

There are four subject based Teaching Review Groups (TRGs) (covering microeconomics, macroeconomics, quantitative and finance), membership of which includes all those who teach within that area, and these carry primary responsibility for monitoring modules, reviewing their effectiveness, and considering new developments. The TCD as a whole has responsibility for reviewing the overall structure of the UG degree programmes, ensuring their coherence and considering more general developments. It also considers any wider implications of subject specific recommendations of the TRGs. TRGs will keep learning outcomes under review, and develop the methods of assessment of these outcomes.

External examiners have the opportunity to comment both on individual module content and assessment and on the broader provision. They are asked to monitor fairness and consistency in assessment procedures and to scrutinise the effectiveness and appropriateness of the assessment.

The School welcomes feedback from students. This is usually collected through the Staff-Student Liaison Committee (SSLC), module evaluations, the National Student Survey (NSS) and UK Engagement Survey (UKES), and formal and informal discussions with the teaching team throughout the academic year.

The Staff-Student Liaison Committee (SSLC) provides a formal means of communication and discussion between a School and its students. The committee consists of student representatives from each year in the School together with appropriate representation from staff within the School. It is designed to respond to the needs of students, as well as act as a forum for discussing programme and module developments. Staff-Student Liaison Committees meet regularly throughout the year.

The School runs both a mid-term and end-of-term evaluation for each module. This allows both module convenors and the School to collect important information and feedback from students, and to make any relevant adjustments promptly if necessary. The evaluations are also discussed in the TCD committee and used to award the annual School prizes for best lecturer and class teachers.

What academic support is available?

Each student is allocated an Advisor, who approves option choices and provides support with any problems. Personal tuition is provided primarily through tutorial classes and visits to module organisers during their office hours, which are advertised on office doors and on the web. Programme induction for new students begins during the enrolment period and extends into the first semester; it includes a series of presentations organised by the Senior Tutor. The School organises the Peer Assisted Study Support (PASS) scheme and weekly mathematics and statistics support classes.

Programme-specific rules and facts

This is a closed programme.

The Economic Studies, Statistics and Mathematics programme is primarily meant for students who have failed the core module requirements of their programme of study, as will be determined by the exam board, and are consequently unable to graduate with their intended degree outcome. Students who do not meet the requirements of their registered programme, but do meet the progression requirements for the Economic Studies, Statistics and Mathematics programme, will be automatically moved following the relevant exam board.

From the end of Year 1(level 4), students can also request to be moved on to the Economic Studies, Statistics and Mathematics programme. As with any programme change, this must be discussed with an Advisor, and will only be possible if students satisfy the requirements of the programme.
Students from joint degrees can change onto Economic studies until the end of year 1 (level 4). After this, students will not have completed enough Economic credits to meet the requirement of the Economic studies and will need to transfer onto Economic Studies, Statistics and Mathmatics

Specific support for disabled students

Queen Mary has a central Disability and Dyslexia Service (DDS) that offers support for all students with disabilities, specific learning difficulties and mental health issues. The DDS supports all Queen Mary students: full-time, part-time, undergraduate, postgraduate, UK and international at all campuses and all sites.

Students can access advice, guidance and support in the following areas:
• Finding out if you have a specific learning difficulty like dyslexia
• Applying for funding through the Disabled Students' Allowance (DSA)
• Arranging DSA assessments of need
• Special arrangements in examinations
• Accessing loaned equipment (e.g. digital recorders)
• Specialist one-to-one "study skills" tuition
• Ensuring access to course materials in alternative formats (e.g. Braille)
• Providing educational support workers (e.g. note-takers, readers, library assistants)
• Mentoring support for students with mental health issues and conditions on the autistic spectrum.

Links with employers, placement opportunities and transferable skills

Connections to the real world examples and case studies are regularly embedded within all modules and allow students to develop analytical and critical skills highly regarded by employers. The academic programme is complemented by an extracurricular set of career workshops aimed at maximising the students' opportunities to secure, progressively, places on insight weeks (year 1), internships (year 2) and eventually long term employment at the end of their studies. Employability skills are also developed by embedding a CV and career workshop in the first year. Social networking sites such as Linked-in support the School's employability strategy as well as the support provided by an extended alumni network.
The graduate data is reflective of the school rather than the programme but we can reasonably expect students in this degree have the same opportunity with regards to subject content and therefore should have the same employment opportunities.
Graduates of the programme have an excellent record in gaining employment. First destination statistics typically suggest around 65% going directly into employment within six months of graduation and another 25% going into postgraduate study.
Curriculum development is informed by research active staff, some of whom also work for major employers of economics graduates (such as the Bank of England and the Treasury)

Programme Specification Approval

Person completing Programme Specification:	Sarah Riley
Person responsible for management of programme:	Rachel Male
Date Programme Specification produced / amended by School / Institute Learning and Teaching Committee:	13/11/19

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Date Programme Specification approved by Taught Programmes Board:	