UNIVERSITY OF LONDON

Programme Specification 2024–2025

Economics, Management, Finance and Social Science (EMFSS)

Data Science
Graduate Diploma

Important document – please read

Important information regarding the Programme Specification

About this document

Last revised 19 February 2024

The Programme Specification gives a broad outline of the structure and content of the programme, the entry level qualifications, as well as the learning outcomes students will achieve as they progress. Some of the information referred to in a programme specification is included in more detail on the University of London

Where credits are assigned to each course of a programme, credit indicates the amount of learning carried out in terms of the notional number of study hours needed, and the specified

Please note: full mobile access is not available for all programmes. Proctored assessments will not work on any smartphone, tablet, Chromebook, Linux Operating Systems or other mobile device of any kind.

Students with access requirements

The University of London welcomes applications from disabled students and/or those who have access requirements. The University will make every effort to provide reasonable adjustments to enable those with a disability, learning difficulty or access requirements to have the same opportunity as all other students to successfully complete their studies.

The University is committed to managing the application procedure and the programme itself to ensure that services are accessible for all students and that an inclusive environment is created. Students with a disability, or others who may need access arrangements to assist in taking examinations, should complete the relevant section of the application form, or contact the Inclusive Practice Manager. A separate room or other arrangements may be considered.

Requests are considered by a University panel, whose purpose is to ensure that students with disabilities and/or specific access requirements are neither advantaged nor disadvantaged by such arrangements when compared with other students. These considerations remain separate from the academic selection processes.

For further information, see Inclusive Practice Policy

Sources of funding and scholarships

Information about potential sources of funding and scholarships is updated annually and where available is included in the prospectus web pages.

For further information see the website

Educational aims and learning outcomes of the programmes

Each of the programmes within the fields of Economics, Management, Finance and Social Science aims to offer a challenging, flexible scheme of study invigorated by research, which

studied. Students will be encouraged to develop a broad range of transferable and in some cases technical expertise.

The programmes aim to:

> promote independent critical and evaluative skills, and intellectual curiosity for life-long learning;

> expand knowledge and understanding of the chosen discipline;

> promote analytical, creative and imaginative engagement with theory, research and practice in the chosen discipline;

> encourage self-development into professionally organised and interactive individuals by practicing skills of selection, assimilation and communication.

Graduate Diploma in Data Science

The programme aims to:

> provide students with a training in data science methods, with a focus on statistical perspectives.

> provide practical skills of applied data science to answer real-world problems and inform commercial and policy decisions.

> provide students with a sound knowledge of information systems management.

The learning outcomes of the programme are as follows:

Knowledge and understanding;

A student will be able to:

> formulate and build statistical and algorithmic models in a logical manner.

> demonstrate a knowledge and understanding of prediction, classification, regression and clustering.

> show a good knowledge and understanding in advanced areas of mathematics and statistics.

> apply quantitative techniques to the analysis of large and complex data.

Intellectual and cognitive skills;

A student will be able to:

> locate, extract, analyse and draw reasoned conclusions from multiple sources

organise information, and assimilate and evaluate competing arguments and methods;

manage their own learning, including working effectively to deadlines;

be open minded and have a capacity to handle ideas and scrutinise information in critical, evaluative and analytical ways.

Learning, teaching and assessment strategies

Most students are required to attend a full- or part-time course of instruction at a recognised teaching centre. The study materials provided are supplemented by tuition offered by the teaching centre. The University of London does not provide tuition.

For all registered students, online study materials are provided for each course studied. These include tools to assist a student in the development of the skills of information search, comprehension and analysis and the generation of original and thoughtful assignments. The study materials offer advice on how to use the recommended textbooks which form the focus

Online Library but students may be required to buy certain textbooks themselves.

Advice and practical information such as study techniques, planning, preparation for assessment is available in the Study s   section of the Virtual Learning Environment (VLE).

Written examinations form the greater part of the assessment of the programmes. For each course students will be assessed mainly by written examination. Questions are structured to allow students to demonstrate that they have acquired appropriate knowledge and understanding. The way that students manage data, solve problems, evaluate ideas and the organisational skills they use to structure their written answers allows the standard of intellectual and transferable skills to be assessed.

Assessment criteria for the programme take into account the level at which these skills have been achieved.

Assessment methods

All assessments are submitted online via a University of London platform. You must ensure that your device is kept up to date and complies with University Computer Requirements.

Aside from a few exceptions, each full course is examined by one three-hour unseen written assessment and each half course by one two-hour unseen written assessment. The assessment for some courses also includes a Multiple Choice Question (Mom a fBT/n1 460.32 245.78 Tm0

Quality evaluation and enhancement