

UNIT INFORMATION

EC1002 Introduction to Economics

This unit offers students an introduction to the principles of Microeconomics (consumer theory and theory of the firm) and Macroeconomics (within the IS/LM framework). Although it is a rigorous, analytical and thorough exposition, it assumes no prior knowledge of the subject matter.

EC2020 Elements of Econometrics

This unit is designed to develop students' understanding of the use of regression analysis and related techniques for quantifying economic relationships and testing economic theories.

EC2065 Macroeconomics

This intermediate unit introduces students to the most influential and compelling theories that have been designed by economists to explain the relationships between output, unemployment and inflation. Students will understand contemporary and historical macroeconomic events, and the way that macroeconomic thought has evolved over the last century.

EC2066 Microeconomics

The intermediate unit examines how economic decisions are made by households and firms, and how they interact to determine the quantities and prices of factor inputs and the resultant outputs. The course also examines economic efficiency and equity, and instances where markets fail to produce efficient solutions.

EC3016 International Economics

This unit is an analytical course in international trade and international finance. Students are introduced to the theories with which to understand international trade patterns, examine trade policies, analyse the determinants of exchange rates and financial crises and address topical issues of international economic interdependence between states.

EC3096 Economic History since 1900

The unit examines how the international economy developed between 1820 and 2000 and what inter-relationships there are between the development of the international economy and the development of national economies, referring in particular to Japan, Britain and the United States. Students will also learn useful economic concepts that help understand real historical circumstances and how economic choices and changes are constrained by the circumstances of the time.

EC3099 Industrial Economics

This unit examines the strategic interactions between firms, and the other essential factors which determine the nature of industrial structure. It looks at the influence and efficacy of prevailing government policies. It provides a game theoretical background intuition to all forms of market competition, price discrimination, product differentiation and vertical restraints.

EC3115 Monetary Economics

This unit examines monetary policy in open and closed economies, using models (from neo-Classical to Keynesian) to explain the modern monetary system, and the strengths and weaknesses of the different schools' models. It also examines current international monetary arrangements (and exchange rate determination) and their historical development.

EC3120 Mathematical Economics

Mathematical modelling is particularly helpful in analysing a number of aspects of economic theory. The unit content includes a study of several mathematical models used in economics.

FN2190 Asset Pricing and Financial Markets

The unit provide students with a thorough grounding in asset pricing and develop students' skills in applying pricing methods to realistic scenarios. It also provide a critical overview of the research on financial market efficiency and allow students to develop an understanding of how securities markets operate.

FN2191 Principles of Corporate Finance

This unit provides a theoretical framework used to address issues in project appraisal and financing, pay-out policy, capital structure, mergers and acquisitions, equity offerings, and risk management. It provides students with the tools required for further studies in financial intermediation and investments.

IR3026 International Political Economy

This unit provides an introduction to international political economy - the interface between international economics and international politics. Students will engage with the International Relations concepts, ideas and literatures on the economic relations among states, and between states and non-state actors, such as firms, societal groups and international organisations.

IS1060 Introduction to Information Systems

This unit introduces information systems concepts, the roles and functions of information systems within organisations, the development of information and communication technology, systems development, data modelling and software packages. Assessment is 75% on the examination and 25% on coursework.

IS3167 Management and Innovation of e-Business

This unit combines transaction cost economics with e-business development to discuss e-business trends and strategies. It covers how e-business produces innovation in business models, processes and products.

MN2028 Managerial Economics

This is an intermediate Microeconomic unit. It takes a strongly game theoretic approach to management problems, and attempts to equip students with the quantitative economic skills required by 21st century managers.

MT2175 Further Linear Algebra (half unit)

This course continues the study of linear algebra to prepare students for further courses in mathematics and/or related disciplines (economics, actuarial science).

MT2176 Further Calculus (half unit)

This course follows on from Calculus and Algebra, and continues further the study of calculus techniques and theory. The course will develop further the theory of functions, and will also include some new practical skills, such as how to evaluate double integrals and how to use Laplace transforms to solve differential equations.

MT3042 Optimisation Theory (half unit)

This half unit brings together several parts of the wide area of mathematical optimisation, as encountered in many applied fields. The emphasis is on the mathematical ideas and theory used in continuous optimisation.

PS2082 Comparative Politics

This course is concerned mainly with the question of how different kinds of political systems work. It focuses both on the political process and on the role of government. The syllabus considers mainly democratic government and considers the main variations between different kinds of democracy.

SP2079 Elements of Social and Applied Psychology

This unit provides an overview of key areas of social psychology and their application. It addresses issues of both theoretical interest and practical importance, thereby aiding our understanding of how people behave, think, interact and communicate in social settings.

ST104A Statistics 1 (half unit)

The unit gives students an introduction to the elementary statistical techniques and methods of analysis which they will apply within other subjects, later in their degree. The focus is on the manipulation of statistical data, the interpretation of resultant statistical tables, and the ways in which this may be shown graphically.

ST104B Statistics 2 (half unit)

The unit builds on Statistics 1, and adds the fundamentals of statistical inference to the interpretation skills honed in the earlier unit. Probability distributions and multivariate analysis play a key role in the syllabus, with emphasis on topics that are of importance to applications within econometrics.

ST2133 Advanced Statistics: Distribution Theory (half unit)

The aim of this unit is to provide a thorough theoretical grounding in probability distributions. The unit teaches fundamental material that is required for specialised courses in statistics, actuarial science and econometrics.

ST2134 Advanced Statistics: Statistical Inference (half unit)

The aim of this half course is to provide a thorough theoretical grounding in statistical inference. The course teaches fundamental material that is required for specialised courses in statistics, actuarial science and econometrics.

ST2187 Business Analytics, Applied Modelling and Prediction

The objective of this unit specifically include the mechanics of building applied business models, aiding in managerial decision making by producing and critiquing forecasts. It extends and reinforces existing knowledge and introduces new areas of interest and applications of modelling in the ever-widening field of management.

ST3188 Statistical Methods for Market Research

This course concentrates on transforming students into competent and confident users of statistical software to enable them to conduct independent data analysis by taking a more applied approach to conventional statistics.

ST3189 Machine Learning

This course covers a wider range of such model based and algorithmic machine learning methods, illustrated in various real-world applications and datasets. At the same time, the theoretical foundation of the methodology is presented in some cases.

** Module was previously known as Research project in information systems.*

***More details on course objectives, learning outcomes and recommended reading can be found in the programme regulations of the University of London website, www.london.ac.uk (See section for Current Students).*

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