

## **2020/1 - ECO-4001A INTRODUCTORY MATHEMATICS FOR ECONOMISTS**

Autumn Semester, Level 4 module  
(Maximum 189 Students)

UCU: 20

Organiser: Dr Bahar Ghezelayagh

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework

Timetable Slot:D3\, H2\

Are you surprised to find that studying economics requires some maths skills? Does this worry you? If so, this module will help you overcome these fears and show you that the maths techniques used in economics are actually not as hard as you might think. This module will provide you with a good grounding in basic mathematical techniques and prepare you for any second and third year modules which require maths skills. You'll learn how to apply your maths in an economic context during the lectures, seminars and in two computer lab sessions in which you'll use Excel. In this module, you'll cover some of the material normally covered in a typical A-level course. At first, you'll develop a basic understanding of linear and non-linear functions, gradually advancing to using differential calculus and constrained optimisation. Throughout the module, you'll focus on the mathematical techniques and their economic applications. In computer lab sessions, you'll learn how to use Excel to draw graphs of functions, solve simultaneous equations and optimisation problems. By the end of the module, you'll be able to correctly identify appropriate mathematical techniques and apply them to economics. You'll also know how to use Excel to solve some mathematical problems and draw graphs of functions. In addition, you'll be well prepared for any second and third year modules which require maths skills.

## **2020/1 - ECO-4002A THE ECONOMICS OF SOCIETY**

Autumn Semester, Level 4 module  
(Maximum 160 Students)

UCU: 20

Organiser: Professor Duncan Watson

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework

Timetable Slot:F2/-A2\ E1

This module emphasises the application of economics to real-world dilemmas. It focuses on how applied economics can be used to study 'wicked problems'. Such problems, sometimes referred to as 'social messes', are often highly confrontational: How can we control problems of crime? Why do societies suffer significant complications arising from drug addiction? How can we reduce deaths from terrorism and war? Exploring the value of the economic approach in transforming policy recommendations, you'll consider how economics can play a crucial part in such debates.

## **2020/1 - ECO-4003A MATHEMATICS FOR ECONOMISTS**

Autumn Semester, Level 4 module  
(Maximum 120 Students)





(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot: E1/, H2

Exam Paper(hrs):2

Exam Period: SPR-02

BEFORE TAKING THIS MODULE YOU MUST TAKE ECO-4001A OR TAKE ECO-4003A AND TAKE ECO-4005Y AND TAKE ECO-4006Y

What do a politician, a social media company and a supermarket shopper have in common? They all make choices. But what will they choose? What is a good choice? Should we try to change their choice? Understanding choices and how they are made is critically important. This module will see you explore the ways economists think about making choices. Whether those choices are in the context of uncertainty or interaction with others, you'll develop models for predicting and analysing them. You'll also develop skills of reasoning, argumentation and applying mathematical analysis to solve real world problems. You'll begin by looking at individual decision making, then uncertainty, and finally strategic interaction. Building on your knowledge of basic concepts in microeconomics, you'll become adept at applying mathematical analysis to answer a variety of real world problems, from providing public goods to understanding oligopolistic competition, learning through a mix of lectures, workshops and seminars. You'll also have the opportunity to practice for your future career as an economic consultant via a written assignment, where you'll write a consultant's report on a real-world problem. All areas of economics use microeconomics, so whatever you'd like to study or work with in the future, you'll be well served by this module. You'll complete this module with well-developed logic and analysis skills, as well as a solid grasp of fundamental concepts in microeconomics.

### **2020/1 - ECO-5011A MULTIDISCIPLINARY ECONOMICS**

Autumn Semester, Level 5 module

(Maximum 50 Students)

UCU: 20

Organiser: Professor Duncan Watson

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework and Project

Exam Paper(hrs):

Considering solutions to real-world problems, this module is designed to provide an interdisciplinary perspective to economic analysis. It considers a wide range of different approaches to economic study, including: economic sociology, economic geography, economic philosophy, economic psychology and political economy. With no prior economic or mathematical knowledge expected, it is suitable for students who want to explore pluralist economic perspectives. The chosen topics demonstrate how economic analysis improves our understanding of decision-making and assists in the design of public policy.

### **2020/1 - ECO-6001A LABOUR ECONOMICS**

Autumn Semester, Level 6 module

(Maximum 999 Students)

UCU: 20

Organiser: Dr Liliana Harding

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Coursework

Timetable Slot: B1/, F1/, F2/|G1\|G1/

BEFORE TAKING THIS MODULE YOU MUST TAKE ECO-5007A AND TAKE ECO-5007B OR TAKE ECO-5001Y

The workings of the labour market impact upon your career, life choices and outcomes. Do you want to understand how the choices you make - for example your education, migration decisions, job type – and even inherent characteristics, such as race and gender – impact upon your success in the labour market? This is a central theme of this module. You will begin by developing an understanding of labour supply (why we choose to work, and how much) and labour demand (how many workers employers hire, and how much they pay for that labour) before examining how individual characteristics, either inherent or through choice, and institutions such as minimum wage legislation, welfare payments, and the economy, affect both individuals and firms. You will examine education, discrimination, migration, unemployment and trade unions and the way government policy in each of these areas has shaped our economy. By the end of the module, you'll have a better understanding of issues such as the economic value of your degree and factors that might make you more attractive to an employer, why women are on average paid less than men, the costs and benefits of migration to an economy and the likelihood of unemployment through the life course. Through the coursework project, you will have an opportunity to examine and analyse an issue in depth by using a data set employed by the government to assess trends in the labour market.

### **2020/1 - ECO-6002A DEVELOPMENT ECONOMICS**

Autumn Semester, Level 6 module

(Maximum 130 Students)

UCU: 20

Organiser: Dr Sheheryar Banuri

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot: D1

Exam Paper(hrs):2

Exam Period: SPR-02

BEFORE TAKING THIS MODULE YOU MUST TAKE ECO-5007A AND TAKE ECO-5007B OR TAKE ECO-5001Y OR TAKE DEV-5016A AND TAKE DEV-5017B

In this module you'll explore central issues in the economics of development, along the following themes: 1) Perspectives on development: Examine trends in development thinking, development initiatives and critiques. Also discuss various notions of development. 2) Explaining underdevelopment and development policies: Focus on key models of development. You'll also study some specific aspects in detail, such as inequality, poverty, labour, and agriculture, stressing the various inter-linkages and relationships between these topics. 3) Applied development economics: Consider implementation issues in contemporary development economics and examine the role of development agencies in aiding development.

### **2020/1 - ECO-6003A FURTHER ECONOMETRICS AND DATA ANALYSIS**









discovering how to evaluate theories in light of this evidence. You'll learn through a mixture of lectures, which have regular intervals for team or individual work, as well as seminars and self-study. Assessment comprises of technical and essay questions. By the end of the module, you'll be equipped for further study in financial economics or a career in the finance industry.