

COURSE DETAIL

MATHEMATICAL ECONOMICS

Country

United Kingdom - England

Host Institution

Brunel University London

Program(s)

English Universities

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

147

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICAL ECONOMICS

UCEAP Transcript Title

MATHEMATICAL ECON

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course includes topics ranging from constrained optimization, Lagrange's method (LM), the application of LM to the consumer's theory, maximization and minimization problems (Hicksian and Marshallian demand functions), value function and economic interpretation of the Lagrange multiplier, application to the producer's theory (direct profit maximization and duality approach), and the Kuhn Tucker method. Examples include labor vs. leisure, technical unemployment, minimum wage, welfare economics, and conditions for Pareto efficiency.

Language(s) of Instruction

English

Host Institution Course Number

EC2008

Host Institution Course Title

MATHEMATICAL ECONOMICS

Host Institution Course Details**Host Institution Campus**

Brunel University

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Economics

Course Last Reviewed

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