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 Campus
Brunel University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Economics

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