

COURSE DETAIL

MATHEMATICS FOR ECONOMISTS

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

114

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICS FOR ECONOMISTS

UCEAP Transcript Title

MATH FOR ECONOMICS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course teaches basic mathematical tools (linear algebra, multivariate differential calculus, function maximization) to build economic models and do economic analysis. The following mathematical tools are covered: Static Economic Models and The Concept of Equilibrium; Matrix Algebra; Vector Space and Linear Transformation; Determinant, Inverse Matrix, and Cramer's rule; Differential Calculus and Comparative Statics; Comparative Statics--Applications; Optimization; Optimization--Multivariate Case; Optimization--Equality Constraints and Nonlinear Programming; General Equilibrium and Game Theory.

Language(s) of Instruction

Chinese

Host Institution Course Number

ECON2011

Host Institution Course Title

MATHEMATICS FOR ECONOMISTS

Host Institution Course Details

https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=303%2026200&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics

Course Last Reviewed

2022-2023

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