

COURSE DETAIL

MATHEMATICS FOR ECONOMICS II

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics Economics

UCEAP Course Number

143

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICS FOR ECONOMICS II

UCEAP Transcript Title

MATH FOR ECON II

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course is divided into two parts: Linear algebra and optimization of several variable functions. Part one offers a study of the properties of matrices and determinants and systems of linear equations. Part two discusses the concept of continuity and calculus of several variables (partial derivatives), among other topics. Students solve linear systems of equations, describe the properties of functions, and approximate a function of several variables. They address economic problems by means of abstract models, interpret and classify different solutions, and apply appropriate conclusions to social contexts.

Language(s) of Instruction

Host Institution Course Number

13156

Host Institution Course Title

MATEMÁTICAS PARA LA ECONOMÍA II

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=229&anio=2025&plan=410&asig=13...>

Host Institution Campus

GETAFE

Host Institution Faculty

Facultad de Ciencias Sociales y Jurídicas

Host Institution Degree

Doble Grado en Derecho y Administración de Empresas

Host Institution Department

Departamento de Economía

Course Last Reviewed

2025-2026

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