

COURSE DETAIL

NUMERICAL METHODS

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

UCEAP Course Number

114

UCEAP Course Suffix

D

UCEAP Official Title

NUMERICAL METHODS

UCEAP Transcript Title

NUMERICAL METHODS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of Numerical Methods (NM) to calculate approximate solutions of mathematical models. Topics include: floating point, errors, stability, and algorithms; solution of linear systems of equations; numerical solution of equations and systems of nonlinear equations; interpolation and approximation of functions; least squares problems; numerical optimization; numerical integration; numerical differentiation; fast Fourier transform.

Language(s) of Instruction

English

Host Institution Course Number

16493

Host Institution Course Title

MÉTODOS NUMÉRICOS

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?&est=350&asig=16493&idoma=2>

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ciencia e Ingeniería de Datos

Host Institution Department

Departamento de Matemáticas

Course Last Reviewed

2023-2024

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