COURSE DETAIL

ORDINARY DIFFERENTIAL EQUATIONS
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 125
UCEAP Course Suffix
UCEAP Official Title ORDINARY DIFFERENTIAL EQUATIONS
UCEAP Transcript Title ORDINRY DIFF EQUATN
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course offers a study of ordinary differential equations (ODEs). Topics include: origins of ODEs in applications; first order equations; linear order equations, higher order, and linear differential systems; existence, uniqueness, and continuation of solutions; resolution of ODE with power series; nonlinear equations-- autonomous systems, phase plane, classification of critical points, and stability theorems.

Language(s) of Instruction
English

Host Institution Course Number
18273

Host Institution Course Title
ECUACIONES DIFERENCIALES ORDINARIAS

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=362&anio=2023&plan=433&asig=18...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Matemática Aplicada y Computación

Host Institution Department
Matemáticas

Course Last Reviewed
2023-2024

Print