COURSE DETAIL

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 104
UCEAP Course Suffix
UCEAP Official Title DIFFERENTIAL EQUATIONS
UCEAP Transcript Title DIFFERENTL EQUATNS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course covers ordinary differential equations and partial differential equations. Topics include: first-order differential equations; second-order linear differential equations; linear systems of differential equations; nonlinear systems and stability; method of separation of variables; Sturm-Liouville Problems; Inhomogeneous Problems.

Pre-requisites: Calculus I, Calculus II, and Linear Algebra.

Language(s) of Instruction
English

Host Institution Course Number
15537

Host Institution Course Title
ECUACIONES DIFERENCIALES

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=257&anio=2022&plan=419&asig=15...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Grado en Ingeniería Biomédica

Host Institution Department
Departamento de Matemáticas

Course Last Reviewed
2022-2023

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