

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

DIFFERENTIAL EQUATIONS

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Biomédica

Host Institution Department

Departamento de Matemáticas

[Print](#)