

COURSE DETAIL

ADVANCED MATHEMATICS

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

106

UCEAP Course Suffix**UCEAP Official Title**

ADVANCED MATHEMATICS

UCEAP Transcript Title

ADV MATHEMATICS

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 equations; systems of first-order linear equations; nonlinear systems and stability; separation of variables; boundary-value problems.

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

Language(s) of Instruction

English

Host Institution Course Number

15331

Host Institution Course Title

ADVANCED MATHEMATICS

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Aeroespacial

Host Institution Department

Matemáticas

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