

# COURSE DETAIL

## FUNDAMENTALS OF MATHEMATICS FOR BIOLOGY

**Country**

Spain

**Host Institution**

University of Alicante

**Program(s)**

University of Alicante

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

10

**UCEAP Course Suffix****UCEAP Official Title**

FUNDAMENTALS OF MATHEMATICS FOR BIOLOGY

**UCEAP Transcript Title**

MATH FOR BIOLOGY

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course provides essential mathematical tools for students of Biology, reinforcing key concepts and introducing methods for modeling biological systems. Topics include matrix algebra, systems of equations, real functions, calculus (limits, derivatives, and integrals), and an introduction to ordinary differential equations. Emphasis is placed on practical applications relevant to biological phenomena and experimental sciences.

## Language(s) of Instruction

### Host Institution Course Number

26511

### Host Institution Course Title

FUNDAMENTOS MATEMÁTICOS

### Host Institution Course Details

<https://cvnet.cpd.ua.es/Guia-Docente/GuiaDocente/Index?wlengua=es&wcodasi=26511...>

### Host Institution Campus

San Vicente del Raspeig

### Host Institution Faculty

Faculty of Science

### Host Institution Degree

Degree in Biology

### Host Institution Department

Department of Mathematical Analysis

### Course Last Reviewed

2025-2026

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