Anno Accademico 2009/2010

COMPUTER BASED (SURNAMES L-Z)

Enrollment year	2009/2010
Academic year	2009/2010
Regulations	DM270
Academic discipline	INF/01 ()
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	BIOTECHNOLOGY
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	
ECTS	3
Lesson hours	24 lesson hours
Language	ANALISI MATEMATICA 2 Italian
Activity type	ORAL TEST
Teacher	NEGRI MATTEO - 3 ECTS
Prerequisites	ANALISI MATEMATICA 2 Analisi matematica 1
Learning outcomes	ANALISI MATEMATICA 2 The aim of this course is to develop the theory related to the basic concepts of mathematical analysis that have been introduced in the course of Analisi Matematica 1. In particular, derivatives of heigher order are defined and used and the techiques for integrating functions of several variables are given. Moreover, the most important theorems stated in the previous course without any proof are proved here. The last part of the course is devoted to the basics on ordinary differential equations, sequences and series of functions, and linear differential forms.

Course contents	ANALISI MATEMATICA 2 Global properties of continuous functions, mean value theorems and applications (among them, for instance, higher order derivatives and Taylor''s formula), integration techniques, ordinary differential equations, sequences and series of functions, linear differential forms.
Teaching methods	ANALISI MATEMATICA 2 Lectures, exercises
Reccomended or required readings	ANALISI MATEMATICA 2 G. Gilardi, Analisi Matematica di Base, McGraw-Hill, 2001.
Assessment methods	ANALISI MATEMATICA 2 Oral examination
Further information	
Sustainable development goals - Agenda 2030	$lbl_legenda_sviluppo_sostenibile