



COMPUTATIONAL MATHEMATICS - LAB

Enrollment year	2014/2015
Academic year	2016/2017
Regulations	DM270
Academic discipline	MAT/08 (NUMERICAL ANALYSIS)
Department	DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES
Course	NATURAL SCIENCES AND TECHNOLOGIES
Curriculum	PERCORSO COMUNE
Year of study	3°
Period	2nd semester (01/03/2017 - 16/06/2017)
ECTS	3
Lesson hours	24 lesson hours
Language	ITALIAN
Activity type	ORAL TEST
Teacher	BOFFI DANIELE (titolare) - 6 ECTS
Prerequisites	A good notion of the contents of the course "Matematica" (Mathematics) is a prerequisite for attending this course with success
Learning outcomes	The course aims at introducing the student to the most important notions of numerical analysis. The student will also be provided with some basic background on computer programming.
Course contents	Non linear equations. Linear equations. Interpolation and polynomial approximation. Derivatives. Numerical integration. Approximation of ordinary differential equations.
Teaching methods	Lectures and labs
Recommened or required readings	Students will be provided with links to lecture notes and textbooks

Written and oral exam.

Further information

