



NUMERICAL METHODS AND COMPUTER LAB	
Enrollment year	2018/2019
Academic year	2018/2019
Regulations	DM270
Academic discipline	MAT/08 (NUMERICAL ANALYSIS)
Department	DEPARTMENT OF CHEMISTRY
Course	CHEMISTRY
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	2nd semester (01/03/2019 - 20/06/2019)
ECTS	6
Lesson hours	50 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	BOFFI DANIELE (titolare) - 3 ECTS BRESSAN ANDREA - 3 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
Reccomended or required readings	Students will be provided with links to lecture notes and textbooks

Assessment methods

Written test (partly multiple choice and partly open questions). The aim of the test is to assess the knowledge of the numerical methods learned during classes and labs. An oral exam on the theory follows the test. Students who reach a predetermined mark in the test can avoid the oral exam.

Further information**Sustainable development goals - Agenda 2030**

[\\$|bl legenda sviluppo sostenibile](#)