



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

Academic Year 2023/2024  
Bachelor in Economics, Politics, and Social Sciences (EPOS)

## CRASH COURSE IN MATHEMATICS

### CALENDAR

**Monday 4 Sept., 10:00-13:00**

**Tuesday 5 Sept., 10:00-13:00**

**Thursday 7 Sept., 12:00-14:00**

**Monday 11 Sept., 10:00-13:00**

**Tuesday 12 Sept., 14:00-17:00**

**Thursday 14 Sept., 14:00-16:00**

**Monday 18 Sept., 16:00-18:00**

**Friday 22 Sept., 16:00-18:00**

Lessons will be held in presence with an interactive teaching method: students that cannot be present will be able to do some offline exercises uploaded after each lesson, and follow some online materials that will be suggested. Presence is highly recommended!

### DESCRIPTION

This course is intended for undergraduate students at first year of their studies in Economics, Politics and Social Sciences: the aim of this course is to provide a basic knowledge of mathematical tools required for the first-year course of Mathematics.

Main contents: linear equations and inequalities, Cartesian coordinate system, straight lines and parabolas, quadratic equations and inequalities, factorization, algebraic fractions, rational equations and inequalities, exponential/logarithmic equations and inequalities, radicals, irrational equations and inequalities.

### INSTRUCTOR

Prof. Martina Narcisi

<https://www.unibo.it/sitoweb/martina.narcisi2/>