



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Homological Algebra

2223-105R-HA

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#### Title

Homological algebra

#### Teacher(s)

Thomas Weigel

#### Language

English

#### Short description

Homological algebra is a discipline in algebra and geometry which has been established around 1950 by several authors. The key issues of this theory is

- (a) to describe particular objects in a given abelian category like injective or projective modules,
- (b) to consider appropriate chain complexes to extend a given abelian category,
- (c) to introduce and describe derived functors and to establish methods allowing to calculate these on a series of distinguished objects.

**CFU / Hours**

28 hours

**Teaching period**

May-July 2023

**Sustainable Development Goals**

QUALITY EDUCATION

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