



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Cosmology and Fundamental physics with the Cosmic Microwave background

2122-86R-Cosmology

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#### Titolo

Cosmology and Fundamental Physics with the Cosmic Microwave Background

#### Docente(i)

Davide Poletti

#### Lingua

English

#### Breve descrizione

The course aims at showing how the next generation of Cosmic Microwave Background (CMB) observatories will constrain Cosmology and Fundamental Physics. Topics include inflation, acoustic oscillations in the primordial Universe, CMB temperature and polarization power spectrum from scalar perturbations and gravitational waves, gravitational lensing, and Sunyaev-Zel'dovich effect.

**CFU / Ore**

1 CFU / 8 Hours

**Periodo di erogazione**

March-April

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