



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Advanced Theoretical Physics B

2526-113R017

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#### Title

Advanced Theoretical Physics B

#### Teacher(s)

TBD

#### Language

english

#### Short description

The course will introduce the modern framework of higher-form and non-invertible symmetries, highlighting their role in quantum field theory and condensed-matter systems.

Emphasis will be placed on how these generalized symmetries reshape our understanding of phases, dualities, and dynamics.

If time allows, key examples (on QFT, quantum gravity, and theoretical condensed matter physics) will be discussed

**CFU / Hours**

2CFU/16hrs

**Teaching period**

second term (TBC)

**Sustainable Development Goals**

QUALITY EDUCATION

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