



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Managing Technical Debt In Software Engineering: Theory and Practices

2021-87R-03

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#### Title

Managing Technical Debt in Software Engineering:

Theory and practices

#### Teacher(s)

Francesca Arcelli Fontana and 3 seminars by colleagues of other Universities in Europe

#### Language

English

#### Short description

Aims of the course: provide an overview of the main approaches, techniques and tools available to manage different levels and forms of technical debt. Moreover, the students can capture how different techniques applied in different domains can be used also to face different problems of Technical Debt in the software engineering area. The main focus will be on code and architecture debt, in microservices debt and tools able to detect some kind of Technical Debt Index.

**CFU / Hours**

about 20 hours

**Teaching period**

June-July 2021

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