



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Nanotecnologie biomediche e terapie avanzate

2324-76R-NANOBIOMED

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#### Title

Biomedical nanotechnologies and advanced therapies

#### Teacher(s)

prof. Francesca Re

#### Language

italian/english

#### Short description

The course aims to deepen multidisciplinary knowledge of the various approaches and scientific progress in the field of advanced biomaterials and nanotechnologies aimed at the development of modern therapeutic strategies, which offer new opportunities for the treatment of serious diseases and for which conventional therapies have proven inadequate. The course has the following objectives: 1. Acquisition of skills relating to biomaterials for tissue engineering and regenerative medicine, highlighting their physical, chemical, biological and engineering properties and clinical applications, in order to provide the student with the tools to the identification of biomaterials suitable for certain functions. 2. Expand knowledge in the biomedical and nanobiotechnological fields in the context of improving the effectiveness of drug therapy. Acquisition of general skills on nanotechnologies and their present

and future applications in industry and research.

### **CFU / Hours**

1 CFU/8 hours

### **Teaching period**

Second semester

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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