Course for Ph.D. students
XLI Cycle (1 Nov 2025 – 31 Oct 2028)

Curriculum
PRODOTTI PER L'INDUSTRIA DELLA SALUTE E DEGLI ALIMENTI

Title
Aspects of Modern Manufacturing of Health Products
(1 ECTS)

Prof. Alessio Lodola, Prof. Fabio Sonvico
UNIVERSITY OF PARMA

Course language: **English**

Approximative scheduling: 16/02; 23/02; 02/03 and 09/03/2026

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Course description
In recent years pharmaceutical manufacturing is evolving at an unprecedented speed and innovations such as artificial intellingence are promising to further speed up pharmaceutical development and streamline aspect of industrial scale up and production.
The course will be organized in a series of seminars with the intervention of experts from the pharmaceutical and health product industry and give an overview of some pivotal aspects of the 4.0 industrial revolution in relevant aspects of the manufacturing, such as:

- Supply chain
- Digitalization and data integrity
- Artificial intelligence applied to pharmaceutical design and development
- Multidisciplinary collaboration in project management

Evaluation: YES (MCQ Test)