UE 13 Formulation, manufacturing, and biopharmaceutical aspects

5 ECTS

Content

Classes
- Preformulation: definition, fundamentals
- Biopharmaceutical stage (release, dissolution, absorption)
- Liquid and semi-solid forms
  Properties of solutions
  Filtration procedure
  Formulation of dispersions
  Application example: parenteral route (specificities, sterilization procedure, case studies)
- Solid forms
  Properties of powders
  The granulation process
  The compression process
  The coating process
  The drying process
  Oral route

Tutorials
- Application example: parenteral route (specificities, sterilization procedure, case studies)

Practical works
- Solid forms

* Classes (all students in amphitheater), Tutorials (small groups of students), Practical works (smaller groups of students in order to study in adapted practical rooms/laboratories)

Assessment

Final exam about classes and tutorials.
Continuous assessment for the practical works with report writings, oral presentations and/or lectures.
Attendance to practical works needs to be approved.

Contacts

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