

The version you're consulting is not final. This course description may change. The final version will be published on 1st June.

7.00 credits

64.0 h

Q1 and Q2



This learning unit is not open to incoming exchange students!

Teacher(s)	. SOMEBODY ;Vanbever Rita ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	Masters course in pharmaceutical sciences.
Main themes	<ul style="list-style-type: none"> • Concepts and production of protein and oligonucleotide biopharmaceuticals, 3h, VERMIJLEN David (ULB) • Live biopharmaceuticals and vaccines <ul style="list-style-type: none"> part A: concepts and biosecurity 6h, FONTAINE Véronique (ULB) part B: risk management of cell and gene product release, 3h, MARINI Roland (ULiège) • Formulation of biopharmaceuticals, 15h, VANBEVER Rita (UCLouvain) • Quality control and analytical techniques for biopharmaceuticals, good practices and legal recommendations (8h): <ul style="list-style-type: none"> part A: analytical methods, 5h, FILLET Mariane (ULiège) part B: aspect of post-translational modifications, 3h, DELPORTE Cédric (ULB) • From the laboratory to the dispensary: legal requirements (3h): <ul style="list-style-type: none"> part A: patents and industrial protection, 5h, DI STEFANO Patrick (ULB) part B: status and regulatory constraints for organic products, 3h, MALONNE Hugues (ULB) part C: batch release procedure and legal framework for vaccines, 1h, TESOLIN Lorenzo (ULB) part D: introduction to Biobanking, 3h, GOFFLOT Stéphanie (ULiège)
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>At the end of this teaching unit, the student is able to: describe and explain the different aspects of specialties resulting from biotechnology.</p>
Evaluation methods	Integrated oral assessment before a panel of module teachers, based on documents in French or English. In exceptional circumstances, examination procedures may be reviewed.
Teaching methods	ex cathedra lectures (Powerpoint presentations). A copy of these documents is given to the student (compulsory) or available on Moodle free of charge.
Content	<p>The topics covered by the course module Biotechnologies include:</p> <ul style="list-style-type: none"> • Concepts and production of protein and oligonucleotide therapeutics • Living biotherapeutics, vaccines and biosecurity • Formulation of biopharmaceuticals • Quality control and analytical techniques for biologicals • From the bench to the pharmacist: legal requirements <p>Each theme is developed by a teacher or a group of teachers specialized in the field and belonging to the three universities collaborating to the program (UCLouvain, ULiège, ULB), during theoretical courses based on selected examples.</p> <p>The courses are given at the three campus.</p>
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Advanced Master in Industrial Pharmacy	FARI2MC	7		