UCLouvain

wfari2110

2021

Biotechnology

7.00 credits	62.0 h	Q1

Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	Masters course in pharmaceutical sciences.
Main themes	• Concepts and production of protein and oligonucleotide biopharmaceuticals, 3h, VERMIJLEN David (ULB) • Live biopharmaceuticals and vaccines 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): 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): 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: organization of quality assurance, 3h, PRONCE Thierry (UCLouvain) part E: introduction to Biobanking, 3h, GOFFLOT Stéphanie (ULiège)
Learning outcomes	**At the end of this learning unit, the student is able to :** At the end of this teaching unit, the student is able to: describe and explain the different aspects of specialties resulting from biotechnology.
Evaluation methods	Integrated oral assessment in front of a jury of module teachers.
Teaching methods	Ex cathedra course (Powerpoint presentations). A copy of these documents is available to students.
Content	Each theme is developed by a teacher or a group of teachers specializing in the field and belonging to the three universities collaborating in this program (UCL, ULg, ULB), during theoretical courses based on selected examples. The courses are given in part at the three sites.
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		