UCLouvain

wsbim1293

2026

Training course in cell biology

2.00 credits	30.0 h	Q2

Teacher(s)	Dumoutier Laure (coordinator) ;Stockis Julie ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes	-culture of cell lines in sterile conditions ; -cell analysis by fluorescent microscopy ; -biochemical assays (proteins, cell proliferation and cell survival assays) ; -introduction to FACS analysis and study of the characteristic profile of selected cell populations.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 The aim is to learn the basic techniques of cell biology: -cell culture and propagation ; -morphological and microscopic examination of the cells ; -analysis of cell proliferation and cell survival, -introduction to the analysis of cell populations by FACS (Fuorescence-Associated Cell Sorter). Our aim is also to train students to write a laboratory notebook and a training course report.
Evaluation methods	Continuous assessment and writing of a training course report. Written exam. Failure to submit training course report will lead to a global note of 0.
Teaching methods	Training course and lecture on cell culture and flow cytometer. Supervision : three assistants and the professor.
Content	This training course takes place during 5 consecutive afternoons in two research laboratories of the Faculty. Students will work in small groups (usually 2 students) under the supervision of a research scientist.
Inline resources	Course notes and slides available on Moodle.
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	2	WFASB1102 AND WSBIM1103 AND WSBIM1101 AND WSBIM1001	