

2.00 credits

30.0 h

Q2

Teacher(s)	Dumoutier Laure (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	<i>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.</i>
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	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>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.</p>
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

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	<a href="#">SBIM1BA</a>	2	WMD1120 AND WMD1006 AND WMD1104 AND <a href="#">WSBIM1001</a>	