



3.00 credits

22.5 h

Q2

| | |
|-----------------------------|--|
| Teacher(s) | Bommer Guido ;Collet Jean-François (coordinator) ;Constantinescu Stefan ;Tyteca Donatienne ; |
| 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 | Methodologies currently discussed are (1) principles and methods of protein purification, including the calculation of a purification table; (2) principles, applications and safety rules in the use of radioactivity as a tool in biochemistry and cell biology; (3) principles and applications of cell culture; (4) the physical basis, methods, potentials and limitations of analytical subcellular fractionation ; and (5) morphological methods, with emphasis on molecular tracking in fixed and living cells |
| Learning outcomes | <p>At the end of this learning unit, the student is able to :</p> <p>To get a critical grasp on a few essential methodologies in cell and molecular biology, on which teachers have a special expertise. The course primarily aims at the understanding of basic principles and inherent limitations, so as to help students in selecting the most appropriate approach to address a specific question. This teaching further demands the quantitative analysis of the observations and the differentiation between warranted and unjustified conclusions from a particular experiment</p> <p>1</p> |
| Faculty or entity in charge | SBIM |

| Programmes containing this learning unit (UE) | | | | |
|--|-------------------------|---------|--|---|
| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Additionnal module in Biomedical Sciences | APPSBIM | 3 | |  |
| Bachelor in Biomedicine | SBIM1BA | 3 | WMD1120 AND WSBIM1001 AND WMD1105 |  |