

3.00 credits

20.0 h + 30.0 h

Q2

Teacher(s)	Bertrand Luc ;
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	The basic experimental techniques commonly used in molecular biology (enzymatic digestion, cDNA cloning, PCR, gel electrophoresis and bacteria transformation) and in biochemistry (protein purification and assay, western blot, enzyme activity measurements).
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> - Correctly use a pipet, present results clearly and interpret them. - Keep a lab book updated. - Use basic approaches in molecular biology and biochemistry encountered daily in biomedical sciences.
Evaluation methods	The global evaluation will take into account different parameters, including : <ul style="list-style-type: none"> - The general behavior during practical course. - Daily evaluations - A report consisting of the lab book
Teaching methods	Practical courses with active participation of the student.
Content	Student will practice with molecular and biochemical tools relative to the enzyme called phosphoserine phosphatase. The different steps will be the cloning of its cDNA in a bacterial vector to promote its overexpression, its purification and the measurement of its activity.
Faculty or entity in charge	FASB

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	3	WMD1006 AND WSBIM1001 AND WMD1106	