

5.0 credits	30.0 h + 30.0 h	2q
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Teacher(s) :	Rees Jean-François ; Gofflot Françoise ; Dumont Patrick ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>Epithelia. Histology of epithelia Physiology : transport of gas and solutes through epithelia Biochemistry : application to intestinal epithelium in the context of digestion, transport and metabolism of food</p> <p>Muscles. Histology of skeletal muscle, cardiac muscle and smooth muscles Physiology of muscular contraction Biochemistry of energy production mechanisms</p> <p>Nervous tissue Histology of central and peripheral nervous system Physiology of neurotransmission - synapse and regulation Biochemistry in energy gain of brain and neurotransmission</p> <p>Connective tissues Histology of connective tissues Physiology : brown adipose tissue and thermoregulation Biochemistry : energetic reserve control in adipose tissue</p> <p>Blood Blood cells Biochemistry : haemoglobin role, biochemistry of coagulation</p>
Aims :	<p>To establish the bases in biochemistry, physiology and histology, the main animal tissues will be studied, emphasis being put on mammalian tissues. Certain notions in cellular biology will also be deepened with the objective of integrating morphological, physiological and biochemical aspects in cellular processes.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Cycle and year of study :	<p>> Bachelor in Biology > Master [60] in Biology > Master [120] in Biochemistry and Molecular and Cell Biology</p>
Faculty or entity in charge:	BIOL