




Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

2 credits	20.0 h	Q2
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Teacher(s)	Fillee Catherine ;Gruson Damien ;Haufried Vincent (coordinator) ;van Dievoet Marie-Astrid ;
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	Introduction to biological matrices, preanalytical requirements, stability, analytical performances Serum proteins Kidney function Pancreatic function (exo and endo) Liver function Anemia Cardiovascular risks Thyroid
Aims	<p>Provide the student, at the end of the 1st cycle (BAC13), the abilities to interpret clinical chemistry laboratory tests (diagnostic, follow up, prevention,). Together with other lectures in the field of human pathologies (microbiology, pathology,) this lecture should meet the recommendation from CEE regarding pharmaceutical missions: reinforce the role of the pharmacist as health councillor.</p> <p>-----</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>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Written exam in the form of multiple-choice questions and short answer open-ended questions. The final note will be weighted according to the number of hours delivered by each of the four teachers. Identical modalities in the first and second examination session.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Teaching is given in auditorium, in comodal or distancial (depending on the health situation) via lectures (total of 20 hours). It relies on the development of theoretical concepts, but also on the description of practical examples. The course involves several active teachers who are experts in their field.</p>
Content	The main biological functions will be addressed with a brief physiopathological introduction followed by the main laboratory analyses that may lead to their investigation. The course will begin with an introduction to biological media, pre-analytical requirements and the notions of specificity and sensitivity of laboratory tests. Serum proteins (dysproteinemia, inflammatory syndrome), renal function (glomerular and tubular insufficiency), pancreatic function both exocrine and endocrine (diabetes), hepatobiliary function (cholestasis, cytolysis, elements of clinical enzymology), central and peripheral anaemia (deficiencies, production deficits or excess destruction), cardiovascular risk markers (proteins of cardiac origin, lipoproteins), markers of thyroid function will be the subject of separate chapters.
Other infos	Prerequisites: Two years of BAC in a medical or para-medical discipline. Support: Course slides available on Moodle. Varia: The Clinical Biology Department of St Luc University Clinics offers students the opportunity each year to perform probationary periods (1 or 2 months) in one of its clinical laboratories.
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	SBIM2M	2		
Master [60] in Biomedicine	SBIM2M1	2		
Bachelor in Pharmacy	FARM1BA	2	WMD1006 AND WFARM1231 AND WFARM1221	
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	2		