




2 credits	20.0 h	Q1
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Teacher(s)	Defour Jean-Philippe ;Fillee Catherine ;Gruson Damien ;Haufroid Vincent coordinator ;Leal Teresinha ;
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, 1). 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	Written exam in the form of multiple choice questions and open questions.
Teaching methods	Teaching is based on 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 and experts in their field.
Content	Major biological systems are reviewed together with a short pathophysiological reminder. The lecture starts with the major preanalytical requirements and analytical performances (sensitivity specificity, reproducibility,). Serum protein and inflammatory responses, renal function, pancreatic function (endocrine and exocrine), liver function (cholestasis, cytolysis,), anemia, lipids and cardiovascular markers, thyroid function are reviewed in different chapters.
Other infos	Pre-requisite : Two BAC years in a medical or paramedical area. Support : Slides available on Moodle. Varia : the department of clinical biology proposes to students the possibility to perform probationary periods (1 or 2 months) in routine clinical laboratories
Faculty or entity in charge	FARM

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