UCL Université catholique de Louvain

WFARM1303

2015-2016

Clinical Chemistry

2.0 credits	20.0 h	2q

Teacher(s) :	Leal Teresinha ; Fillee Catherine ; Defour Jean-Philippe ; Wallemacq Pierre (coordinator) ; Philippe Marianne ;
Language :	Français
Place of the course	Bruxelles Woluwe
Prerequisites :	*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.*
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 :	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. *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".*
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 Evaluation : written exam : both development and short questions or MCQ Support : Slides and notes on I-campus 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 / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	2	-	
Master [120] in Biomedicine	SBIM2M	3	-	
Bachelor in Pharmacy	FARM1BA	2	WMD1006 **and** WFARM1231 **and** WFARM1221	