UCL Université catholique de Louvain

WFARM2149

2015-2016

Pharmaceutical approach in nutrition

3.0 credits	30.0 h + 15.0 h	1q

Teacher(s) :	Delzenne Nathalie ;
Language :	Français
Place of the course	Bruxelles Woluwe
Aims :	To help pharmacists and persons involved in health care to play a key role as an advisor in nutrition for patients. To be aware, through the critical analysis of scientific publications and available information on internet, of the recent progress in nutrition (food toxicology, nutrients/drug interactions, nutrition and pathologies, functional and novel foods, special diets, dietary supplements). *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 :	A. Methods of evaluation of nutritional status (anthropometry, impedance) and energy intake and expenditure (food questionnaire ; indirect calorimetry ; biochemical approach). B. Follow-up of nutrients metabolism : carbohydrates (digestible/non digestible) ; lipids ; proteins ; ethanol ; minerals and oligoelements ; phytochemicals; Implication in the control of obesity and metabolic syndrome (including diabetes and CHD), cancer, infection/inflammation... C. Mechanisms and consequences of drug-nutrients interactions D. Food toxicology : classification of risks and causes (contaminants; natural toxics; influence of food conditioning and preservation) ; legislation in Europe E. Special diets, dietary supplements; functional food (including pre-probiotics) F. Recent knowledge in Nutrition : will be based on the comparison of data recently published in scientific papers versus information largely diffused (press and internet). For practical exercises, the students may choose either laboratory approach (food analysis) or bibliographic analysis of a novel concept in nutrition.
Other infos :	Prerequisite: Biochemistry ; Toxicology; Physiology ; Pathology ; Pharmacology (including pharmacokinetics) ; Organic and analytical chemistry ; Microbiology.
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 Biomedicine	SBIM2M	3	-	
Master [60] in Biomedicine	SBIM2M1	3	-	
Master [120] in Pharmacy	FARM2M	3	-	