UCLouvain

wfarm2149

2024

Pharmaceutical approach in nutrition

3.00 credits	30.0 h + 15.0 h	Q2

Teacher(s)	Delzenne Nathalie ;
Language :	French > English-friendly
Place of the course	Bruxelles Woluwe
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 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).
Evaluation methods	students are assessed by a written exam that includes open-ended questions directly related to the course. All the information presented in the course is available on moodle
Teaching methods	Magistral lecture; practical works in smaller groups coached by the assistants
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; Diet, sustainability and food transition 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.
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedicine	SBIM2M	3		🔍
Master [60] in Biomedicine	SBIM2M1	3		🔍
Master [120] in Pharmacy	FARM2M	3		🔍