UCLouvain

wsbim2136

2025

Clinical nutrition

4.00 credits	30.0 h	Q1

Teacher(s)	Cani Patrice ;
Language :	French > English-friendly
Place of the course	Bruxelles Woluwe
Learning outcomes	
Evaluation methods	Written exam
Teaching methods	Lectures and practical exercises carried out during the course.
Content	This course aims to provide to the students all the knowledge necessary to understand the roles of nutrition in the prevention and treatment of diseases. At the end of this course the student will be able to describe, formulate and valorize their knowledge of both physiology and pathophysiology. They will be able to analyze a pathological situation and apply their knowledge to propose one or more therapeutic approaches. The student will be able to synthesize these notions both in a written and oral manner during a concrete discussion of cases. Topics covered will be: 1) a review of the mechanisms involved in the control of body weight, the regulation of food intake and energy metabolism 2) obesity, epidemiology, evaluation, types of obesity and energy expenditure, energy density and nutritional support and potential treatments (drugs, surgeries) 3) dyslipidemia and atherosclerosis, epidemiology, evaluation, nutritional and drug therapies 4) the intestinal microbiota, its impact on the regulation of energy, carbohydrate, lipid homeostasis and the gut-brain axis (stress, anxiety, appetite) 5) the different gastrointestinal surgeries and digestive malabsorption 6) treatment of pathologies and clinical approaches using specific nutrients: a critical view. For whom, for what? When ? How ? Examples of key nutrients.
Inline resources	Several articles from the scientific literature, journals and other materials used for the preparation of the course are made available to students (Moodle).
Other infos	Students will be asked for active participation at different moment during the course (for example: Wooclap, round tables, questions/discussions)
Faculty or entity in charge	FASB

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedicine	SBIM2M	4		🔍
Advanced Master in Nutrition and Food Transition	NUTR2MC	3		🔍