UCLouvain

wfarm1213

2026

Human physiology and basics of physiopathology

6.00 credits	60.0 h	Q2

Teacher(s)	Feron Olivier (coordinator) ;Hermans Emmanuel ;
Language :	French > English-friendly
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	Explanation of the activity, the regulation and the dysfunction of the principal systems : heart and circulation system, respiratory system, body fluids and renal function, central, peripheral and autonomous nervous systems, sense organs, gastrointestinal system, reproduction and endocrine systems.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 By the end of this course, the student will have a comprehensive knowledge of the principal systems, their functions, the regulation of their activities and their integration in the organism homoeostasis. Finally, the students will have an overview of the principal dysfunctions of these systems that lead to diverse pathological states. This course should provide sufficient background to follow further specialised courses of pathology and pharmacology.
Evaluation methods	The assessment consists of a written exam. It may include short open-ended or essay questions possibly involving diagrams to be made or completed, as well as multiple-choice questions. The final mark will take into account the results of the different parts of the examination. It will be based on an arithmetic average that considers, among other things, the number of hours taught by each teacher. However, a minimum level of proficiency in all parts is essential to demonstrate the skills and knowledge defined in the learning outcomes of the teaching unit. In the event of a major failure in one of the parts, teachers may award the lowest mark, whether in the first or second session.
Teaching methods	Lectures in the lecturehall as well as possibly lessons in flipped classes for certain parts of the course (= podcasts supplemented by sessions in the lecturehall to answer students' questions).
Content	The course covers the functional physiology specific to the different systems and some elements of physiopathology. Each system is described by detailing the various cellular / tissue elements that compose it, the associated physiological functions and the modes of regulation involved.
Inline resources	Most of the documents related to the course are accessible via Moodle.
Faculty or entity in charge	FASB