

5.00 credits

30.0 h + 30.0 h

Q1


This learning unit is not open to incoming exchange students!

Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Basics of human biology Elements of human physiology seen during LSINC1133. <i>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.</i>
Main themes	<ul style="list-style-type: none"> • Overview of human pathology (cancer, infection, cardiovascular diseases, neurological diseases, autoimmunity, diabetes...) • Examples of applications of computer science applied to life in the understanding (research), diagnosis, treatment of these diseases.
Learning outcomes	At the end of this learning unit, the student is able to : <ul style="list-style-type: none"> • Master the basic vocabulary used in human pathology, so as to be able to understand a biomedical problem and communicate with a health professional • Know the basics of the major groups of human pathologies
Content	<ul style="list-style-type: none"> • The course topics are divided as follows: • Cardiovascular system • Lymphatic systems – Immune (autoimmune diseases, inflammation, allergies,...) • infections • Respiratory system • Epidemiology • Urinary and reproductive system • Osteology-Arthrology • endocrine system • Myology • Digestive system • The nervous system • Biomechanics and tissue engineering
Faculty or entity in charge	SINC

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Computer Science	SINC1BA	5	LSINC1131 AND LSINC1133	