

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	<p>At the end of this learning unit, the student is able to :</p> <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	