

5.00 credits


30.0 h + 30.0 h

Q1



This learning unit is not open to incoming exchange students!

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| 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 |  |