UCL Université catholique de Louvain

# LIEPR1004A

*2010-2011*

# Biologie cellulaire et éléments d'histologie (partim A FSA)

| 4.0 credits | 45.0 h | 2q |
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| Teacher(s) : | |
| Language : | Français |
| Place of the course | Louvain-la-Neuve |
| Main themes : | The major themes are :<br><br>- Characteristics common to all living species<br>- The human cell, its functioning and division<br>- Classical, evolutive and molecular genetics<br>- Cellular bases in sexual reproduction<br>- The differents cell types and their organisation in tissues<br>- The major steps in human embryonic development |
| Aims : | By the end of the module, students should understand the bases of unicity and diversity in the living world. They will know the structure and functioning of human cell and genome as well as the mechanisms of cell division and embryonic development. Moreover, they will know the structure of the major types of human tissues.<br>*The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".* |
| Content : | (auteurs - titulaires actuels) : P. Henriet and Ph. van den Bosch de Aguilar<br>1. UNICITY IN THE LIVING WORLD<br>2. THE HUMAN CELL<br>3. DIVERSITY IN THE LIVING WORLD<br>4. MOLECULAR GENETICS<br>5. CELL DIVISION<br>6. GAMETOGENESIS AND FERTILIZATION<br>7. INTRODUCTION TO HUMAN EMBRYOLOGY<br>8. THE HISTORY OF LIFE<br><br>Histology<br>1. EPITHELIAL TISSUE<br>2. CONNECTIVE TISSUE<br>3. BLOOD TISSUE<br>4. MUSCLE TISSUE<br>5. NERVE TISSUE |
| Other infos : | Pré-requis Appui sur "chimie générale et biomolécules"<br>Evaluation Examen écrit ou oral et/ou éléments d'évaluation continue<br>Support Syllabus et/ou livre(s)<br>Encadrement Titulaire(s)<br>Autres |
| Cycle and year of study : | > Bachelor in Engineering<br>> Bachelor in Computer Science<br>> Bachelor in Mathematics |
| Faculty or entity in charge: | FSM |