Biochimie et physiologie de la cellule

Lecturers
Vincent RAUSSENS (Coordinator), Véronique KRUYS and Maud MARTIN

Course mnemonic
BIOL-F208

ECTS credits
5 credits

Language(s) of instruction
French

Course period
First term

Course content

Cell compartimentation; Membrane exchange; Signal transduction, Division and cell cycle; Flow of genetic information;

Objectives (and/or specific learning outcomes)

To describe the main components and organization of the cell. To describe the structure and function of cellular organelles.

To understand the principles underlying the flow of material and information between the cell and the environment.

To describe the flow of genetic information in eukaryotic cells

Pre-requisits and co-requisits

Pre-requisites courses

BIOL-F103 | Bases de la biologie des organismes | 10 crédits , BIOL-F104 | Bases moléculaires du vivant | 10 crédits, BIOL-F105 | Biologie générale | 10 crédits, CHIM-F102 | Chimie organique 1 | 5 crédits, CHIM-F208 | Biochimie 1 | 5 crédits and CHIM-J102 | Chimie organique | 5 crédits

Courses having this one as pre-requisit

BING-F301 | Microbiologie générale et environnementale | 5 crédits , BIOL-F303 | Laboratoires de biologie moléculaire | 5 crédits and BIOL-F322 | Biotechnologies | 5 crédits

Courses having this one as co-requisit

BING-F306 | Travaux pratiques en Biochimie et Biologie Moléculaire | 5 crédits, BIOL-F211 | Travaux pratiques de biochimie | 5 crédits, BIOL-F301 | Physiologie et développement des plantes | 5 crédits, BIOL-F302 | Génétique | 5 crédits and BIOL-F323 | Génétique: aspects fondamentaux et appliqués | 5 crédits

Teaching method and learning activities

ex-cathedra lectures

Other information

Contact(s)

Dr. Cyril Gueydan
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Institut de Biologie et Médecine Moléculaire (IBMM)
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Evaluation method(s)

Other

Evaluation method(s) (additional information)

1st exam session: written exam

2d exam session: oral exam

Determination of the mark (including the weighting of partial marks)

course 75%

personnal work 25%

Programmes

Programmes proposing this course at the faculty of Sciences

BA-BIOL | Bachelor in Biology | option Bruxelles/unit 2, BA-IRBI | Bachelor in Bioengineering | unit 2 and MA-BINF | Master in Bio-informatics and Modelling | finalité Research/unit 2

Programmes proposing this course at the Brussels School of Engineering

BA-IRBI | Bachelor in Bioengineering | unit 2

Programmes proposing this course at the faculty of Pharmacy

BA-PHAR | Bachelor in Pharmacy | unit 2