

Physiologie et développement des plantes

Lecturer

Nathalie VERBRUGGEN (Coordinator)

Course mnemonic

BIOL-F301

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First and second terms

References, bibliography and recommended reading

Taiz et Zeiger, 2015. Plant Physiology. 6th edition. Sinauer Associates Inc., U.S.(ISBN: 978-0-87893-866-7)

Other information

Contact(s)

VERBRUGGEN Nathalie Laboratoire de Physiologie et de Génétique Moléculaire des Plantes - ULB-Campus Plaine - CP 242 - Bd. du Triomphe - 1050 Bruxelles. Tél. : 02/6502128 - Fax : 02/6505421 - email : nverbru@ulb.ac.be - http://www.ulb.ac.be/sciences/lpgmp

Course content

- > Water and ion transport in plants - Nutrimment assimilation
 - Energizing metabolisms: photosynthesis and respiration
 - Regulation of plant development by hormones and environment

Objectives (and/or specific learning outcomes)

Introduction to the main plant functions: photosynthesis, water and ion transport, general metabolism (photosynthesis and respiration) of development

Pre-requisites and co-requisites

Pre-requisites courses

BIOL-F105 | Biologie générale | 10 crédits

Co-requisites courses

BIOL-F201 | Evolution et diversité des eucaryotes : botanique | 5 crédits , BIOL-F208 | Biochimie et physiologie de la cellule | 5 crédits , CHIM-F201 | Chimie analytique 1 | 10 crédits and CHIM-F201 | Chimie analytique 1 | 5 crédits

Teaching method and learning activities

Courses + practical work (laboratory) Educational material: syllabus, slides (available on UV - virtual university)

Evaluation method(s)

Other

Evaluation method(s) (additional information)

Written examination (obligatory) + oral examination (optional)

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

$4/5 \times [(written\ examination + oral\ examination) / 2] + (1/5 \times TP)$

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Sciences

BA-BIOL | Bachelor in Biology | option Bruxelles/unit 3 and BA-IRBI | Bachelor in Bioengineering | unit 3

Programmes proposing this course at the Brussels School of Engineering

BA-IRBI | Bachelor in Bioengineering | unit 3