LBRPP2103

2015-2016

Phytopathology

5.0 credits	30.0 h + 22.5 h	1q

Teacher(s) :	Legrève Anne (coordinator) ; Bragard Claude ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	Syllabus and/or slides available on icampus, web site
Prerequisites :	LBIRA2106 *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.*
Main themes :	Study of plant diseases, host-parasite interaction and appropriate methods of crop protection. Viral diseases: description of typical viroids and viruses, thorough studies of viral diseases selected based on their modes of transmission. Bacterial diseases: study of large groups of plant bacterial diseases and their life cycle, epidemiology and control methods. Fungal diseases: description of major diseases caused by protists, chromista, ascomycetes, deuteromycetes and basidiomycetes, their life cycle and methods of crop protection
Aims :	a. Contribution of the activity to the LO (LO from the program) 1.1 to 1.5 ; 2.1 to 2.4 ; 3.1 to 3.9 ; 4.1 to 4.7 6.1 to 6.5 ; 7.1 to 7.4 ; 8.1 to 8.6 b. LO from the program specific to this activity By the end of the coursus, the student will be able to: - identify plant pathogens detailed in the course - explain the epidemiology of major diseases, the life cycle of the causative agents - develop appropriate control strategy - explain and apply the Koch's postulate for a given pathogen - gather and synthetize information on a disease, a pest or a method of disease control. *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".*
Evaluation methods :	Written exam during the examination period, reports and exam on the practical works
Teaching methods :	Lectures and practical works
Bibliography :	Syllabus and/or slides available on icampus, web site. The course is supported, among others, by the handbook "Plant Pathology (5th ed)" (GN Agrios)
Other infos :	The course can be taken in three different ways, either the full course (LBRPP2103, 5 credits) with theoretical and practical parts, only the lectures without practical work (LBRPP2103A-part A, 3 credits), or only the part of the academic program regarding forest pathology (LBRPP2103B part B, 2 credits).
Faculty or entity in charge:	AGRO

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Agricultural Bioengineering	BIRA2M	5	LBIRA2106	