

5 credits

30.0 h + 22.5 h

Q1

Teacher(s)	Baudry Olivier (compensates Bragard Claude) ;Bragard Claude ;Legrève Anne coordinator ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	LBIRA2106 <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	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	<p>a. <u>Contribution of the activity to the LO (LO from the program)</u> 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</p> <p>b. <u>LO from the program specific to this activity</u> By the end of the cursus, the student will be able to:</p> <p>1 - 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.</p> <p>----- <i>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".</i></p>
Evaluation methods	Written exam during the examination period, reports and exam on the practical works
Teaching methods	Lectures and practical works
Inline resources	Syllabus and/or slides available on Moodle, web site
Bibliography	Diapos disponibles via Moodle ou support électronique. Thesaurus d'images ; Ouvrages de référence dans le domaine de la pathologie végétale
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). This course can be given in English.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Agricultural Bioengineering	BIRA2M	5	LBIRA2106	