

3.00 credits

30.0 h

Q1

Teacher(s)	Bragard Claude ;Legrève Anne (coordinator) ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	Learning outcomes are assessed via a written exam
Teaching methods	Teaching is given face-to-face. The course is delivered in person, with the aid of images and videos, which are narrated and discussed during the lectures. Each student is required to complete information research and synthesis work, based on topics suggested by the instructors. The FAO Plant Health i-campus may be used.
Content	Overview of abiotic and biotic causes of plant diseases. Biological characteristics of plant pathogens and pests. Initiation to the plant disease cycles as well as to the plant-environment-microbe interactions. Overview of the integrated pest & disease management and to the crop protection strategies: quarantine measures, phytotechnical measures, plant resistance, chemical protection measures (including resistance, residues, impact on health and environment), biological control, agroecological approaches, integrated management. Losses due to plant diseases and pest, economical damage threshold, forecasting and warning systems.
Inline resources	Moodle or support provided to the students
Bibliography	Les supports de cours sont proposés sous forme de présentation powerpoint. - Nombreux supports bibliographiques consultables en bibliothèque. Agrios G, 2004. Plant pathology, 5th Ed. - Schumann G.L. and D'Arcy C.J., 2009. Essential Plant pathology. Utilisation systématique de supports visuels (images) et vidéos distribuées par l'American Phytopathological Society. FAO Plant Health icampus
Other infos	This course can be given in English.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Agricultural Bioengineering	BIRA2M	3		