



3 credits

12.0 h + 24.0 h

Q2

Teacher(s)	Bragard Claude ;Hance Thierry ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	After a brief history of biological pest historic illustrated by the most striking examples, the analysis of mechanisms of population growth and its fluctuations will be undertaken. The plant-insect, prey-predator and host-parasite systems will be studied and their modelisation explained for use in biological pest control. This course will be accompanied by article discussions and excursions.
Aims	<p>1 Biological pest control is becoming very popular to protect cultures. However, its installation is quite complicated and requires a profound knowledge of phytosanitary problems (insects and diseases) and the possibility to use natural agents in pest control (predators, parasites, competitors, entomopathogens, etc.). Additionally, industrial applications like auxiliary production, their diffusion and the quality control correspond to new potential uses. The objectives of the course are to explain the basic techniques necessary to use the methods of biological pest control and to present the actual possibilities and the corresponding products. Also, an analysis of ins and outs of this type of intervention will be practised. The problems and limitations will be discussed and the future perspectives described.</p> <p>-----</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>
Bibliography	• Supports de cours fournis sous forme de présentations powerpoint et documents word
Other infos	Precursorycourses basics in ecology Evaluation Oral examination and individual paper Support Syllabus, law texts, articles, web.
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Environmental Science and Management	ENVI2M	3		
Master [60] in Biology	BIOL2M1	3		
Master [120] in Biology of Organisms and Ecology	BOE2M	3		