

3.0 credits	12.0 h + 24.0 h	1q
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Teacher(s) :	Bragard Claude ; Hance Thierry ; Frere Isabelle (compensates Hance Thierry) ;
Language :	Français
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>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><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>
Other infos :	Precursorycourses basics in ecology Evaluation Oral examination and individual paper Support Syllabus, law texts, articles, web.
Cycle and year of study :	> Master [60] in Biology > Master [120] in Biology of Organisms and Ecology > Master [120] in Environmental Science and Management
Faculty or entity in charge:	BIOL