


3.00 credits

30.0 h

Q1

Teacher(s)	Baret Philippe ;
Language :	English > French-friendly
Place of the course	Louvain-la-Neuve
Prerequisites	BIR 1230 - Engineering biosphere (or equivalent)
Main themes	<ul style="list-style-type: none"> - Emergence of the concept of Agroecology and historical process. - Diversity of world food systems. - Foresight approaches of Agriculture (Agrimonde, Afterres 2050) - The principles of agroecology: ecological, socio-economic and methodological principles. - Comparative approach for alternative agricultures: industrial agriculture, conventional farming, organic farming, sustainable agriculture, ecologically intensive agriculture. - Examples of applications of agroecology in production and consumption systems in North and South.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> a. Contribution from operations AA repository program M1.1., M2.1., M4.4. b. Specific formulation for this activity AA program <p>At the end of this course, the student is able to:</p> <ol style="list-style-type: none"> 1 - Understand the conceptual foundations and methods of agroecology including the concept of food systems. - Discuss the diverse trajectories of agriculture - Evaluate a system in its agro-ecological dimensions - Position the various alternative modes of agriculture
Evaluation methods	The assessment will be based on group work (50%) and a written exam (50%).
Teaching methods	The course is given in the form of lectures alternating theory and concrete examples. On specific themes, students will present their work. The course can be given in English. In collaboration with the FAO, part of the course will be devoted to the TAPE (Tool for agroecology performance evaluation) evaluation module.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Forests and Natural Areas Engineering	BIRF2M	3		
Master [120] in Agricultural Bioengineering	BIRA2M	3		