UCL Université catholique de Louvain

LBRAI2110

2015-2016

Elements of Agroecology

3.0 credits	30.0 h	1q

Teacher(s) :	Bragard Claude ; Baret Philippe (coordinator) ; Bertin Pierre ; Van Damme Julie (compensates Bragard Claude) ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Prerequisites :	BIR 1230 - Engineering biosphere (or equivalent)
Main themes :	- 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.
Aims :	a. Contribution from operations AA repository program M1.1., M2.1., M4.4. b. Specific formulation for this activity AA program At the end of this course, the student is able to: - 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 *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".*
Evaluation methods :	The evaluation is based on a written examination with a question defended orally.
Teaching methods :	The course is given in the form of lectures alternating theory and practical examples. It also makes use of video media. A MOOC version of the course is envisager since its conception.
Faculty or entity in charge:	AGRO

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Forests and Natural Areas Engineering	BIRF2M	3	-	
Master [120] in Agricultural Bioengineering	BIRA2M	3	-	