

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits

24.0 h + 6.0 h

Q2

Teacher(s)	Bertin Pierre ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Topics covered : Crop science of the main field crops and horticultural crops in temperate regions; tropical field crops. Evolution of the state of the land and crops during the seasons. Work to be carried out (tillage, sowing, fertilization, weeding, phytosanitary treatments, harvests) ' Recognition of weeds of field crops at an early stage and specific keys of determination. Partim A: field crops and market gardening in temperate regions Partim B : tropical cultures Partim C: fruit crops in temperate regions
Aims	<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>
Evaluation methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Written exam. Cross-curricular and synthesis questions aimed at evaluating the reasoned and critical approach to agricultural practices.
Teaching methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Lectures, largely illustrated with photos and diagrams, visits to agricultural service websites (warnings, manuring advice), direct observation of engine parts - Follow-up of culture development by plant dissection - Farm tours with agricultural service specialists and farmers
Content	Partim A: field crops and market gardening in temperate regions - Lectures : Rotation, tillage and sowing, organic and mineral fertilization, ecological requirements and crop cycles, phytosanitary protection (weeds, diseases, pests), harvests, environmental impact, excursions: farm visits (conventional, organic and conservation agriculture) - excursions: farm visits Partim B : tropical cultures - Lectures : Cropping systems and main agricultural ecologies of tropical regions; food crops; perennial crops; crop associations Partim C: fruit crops in temperate regions Horticultural techniques in fruit growing (cutting, grafting, layering); physiology of growth, flowering and fruiting; growing systems
Inline resources	Moodle
Bibliography	Nombreuses sources en ligne d'institutions de service agricole (CIPF, IRBAB, CEPICOP, Terres Inovia...) Références données dans les montages powerpoint Numerous online sources of agricultural service institutions (CIPF, IRBAB, CEPICOP, Terres Inovia...) References given in the Powerpoint presentations
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	Aims
Master [120] in Agricultural Bioengineering	BIRA2M	3		