

4 credits

30.0 h + 15.0 h

Q1

Teacher(s)	Bertin Pierre ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Functioning of an horticultural company: technology, biology, genetics, management and finances. Analysis of limiting factors of the production unit. Problem identification and solution proposals.
Aims	<p>a. <u>Contribution of the activity with regards to the referential of learning outcomes</u> Control a pool of scientific knowledge (M.1.1 à M.1.5) Control a pool of knowledge in the field of bioengineering and management (M.2.1 à M2.5) Apply a rigorous and innovative scientific approach (M.3.1 à M.3.4 et M.3.6 M.3.9) Concept and implement a complete and innovative approach of engineer (M.4.1 à M.4.7) Communicate (M.6.1 à 6.8)) Act responsibly (M.7.1 à M.7.3)</p> <p>1 <u>b. Specific formulation for this activity AA program (maximum 10)</u> At the end of this activity, the student will be able to :</p> <ul style="list-style-type: none"> · understand the general functioning of the horticultural company in which the student has evolved, · identify a limiting factor to the production, · synthesize the state of knowledge related to the limiting factor, from a scientific, technological and practical point of view, · propose solutions scientifically and technologically sound, · communicate ' in writing and orally ' the state of knowledge and solutions. <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>
Evaluation methods	Evaluation of the written report and of the oral presentation and slides. Feedback
Teaching methods	Information previously available on icampus and through an information session. Realization of a 40-h practice in an horticultural company, discussion of objectives and problematics, avices for analysis and writing.
Content	Fourty hours-long practice in an horticultural company or horticultural applied research center. Current work and discovery of the usual activities. Study of its functioning. Identification of a limiting factor (technological constraint, pest...). Study of the problem based on scientific litterature, interchanges with the actors of the company and scientific skills acquired during the studies of bioengineer. Solution proposals. Writing of a report and oral presentation with slides for the students and professor of the activity.
Inline resources	Moodle
Bibliography	S upport(s) de cours obligatoires Syllabus, diapositives powerpoint Ouvrages scientifiques et techniques à rechercher par l'étudiant
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	4		