

4.0 credits

30.0 h + 15.0 h

1q

Teacher(s) :	Bertin Pierre ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	iCampus
Prerequisites :	Mandatory skills in plant biology, plant physiology, plant production, plant protection, genetics acquired during the Bachelor of bioengineer and the first year of MS of bioengineer or equivalent.
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. Contribution of the activity with regards to the referential of learning outcomes</p> <p>Control a pool of scientific knowledge (M.1.1 à M.1.5)</p> <p>Control a pool of knowledge in the field of bioengineering and management (M.2.1 à M2.5)</p> <p>Apply a rigorous and innovative scientific approach (M.3.1 à M.3.4 et M.3.6 M.3.9)</p> <p>Concept and implement a complete and innovative approach of engineer (M.4.1 à M.4.7)</p> <p>Communicate (M.6.1 à 6.8)</p> <p>Act responsibly (M.7.1 à M.7.3)</p> <p>b . Specific formulation for this activity AA program (maximum 10)</p> <p>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, advice for analysis and writing.
Content :	Forty 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 literature, 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.
Bibliography :	Syllabus, slides available on icampus. Scientific and technical documentation to be searched for by the students.
Cycle and year of study :	> Master [120] in Agricultural Bioengineering
Faculty or entity in charge:	AGRO