

3.00 credits

22.5 h + 15.0 h

Q1

Teacher(s)	Agnan Yannick ;Declerck Stephan ;Draye Xavier ;Lobet Guillaume ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Prerequisites	Mandatory skills in plant biology, plant physiology and genetics acquired during the Bachelor of bioengineer or equivalent
Main themes	General principles of ecophysiology of major crops Biomass production and resources capture Passage from the isolated plant to the plant population Plant growth and development, yield components Morphology, phenology, physiological factors, biotic and abiotic stresses Application to several temperate, tropical and ubiquitous crops
Learning outcomes	
Evaluation methods	Written examination
Teaching methods	Oral teaching with case studies Field visits In silicomodelling
Content	Cf LBIRA2108
Inline resources	Moodle
Bibliography	<u>S</u> <u>upport de cours obligatoires</u> Syllabus (diapositives du cours), nombreuses visites de terrain <u>Supports de cours facultatifs</u> Sites internet vus au cours Ouvrages de référence Hay and Porter (2006) ' The physiology of crop yield Hay RKM and Walker AJ, 1989. An introduction to the physiology of crop yield. Longman, Essex. 292 p. Smith DL and Hamel C, 1999. Crop yield. Physiology and processes. Springer, Heidelberg. 504 p.
Other infos	This course can be given in English
Faculty or entity in charge	AGRO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Agricultural Bioengineering	BIRA2M	3		