


3.00 credits

30.0 h + 15.0 h

Q2

Teacher(s)	Lejeune André ;Lejeune André (compensates Lutts Stanley) ;Lutts Stanley ;Quinet Muriel ;Quinet Muriel (compensates Lutts Stanley) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Learning outcomes	
Evaluation methods	The final mark consists of the theoretical examination mark (oral), the herbarium note and the note of the practical work reports. The note of the practical work reports is definitively acquired. The mark of the theoretical exam is worth 15/20 of the final mark and the mark of the practical work (herbarium + reports) is worth 5/20 of the final mark. Participation in practical work, tutorials and exercises is mandatory and essential to validate the teaching unit. Any unjustified absence entails a penalty on the TU examination which may go as far as the cancellation of the examination mark for the relevant study year (0/20). In the event of repeated and even justified absences, the teacher may propose to the jury to oppose the registration for the TU examination in accordance with article 72 of the RGEE
Teaching methods	theoretical lectures in auditorium and practical work in greenhouses and in the field
Content	The structure, maintenance and functioning of the shoot apical meristem are studied. The genetic and physiological regulation of floral transition and floral morphogenesis (ABC model) are addressed as well as the development and functioning of the reproductive structures (inflorescences, flowers). The vegetative and sexual reproduction of Angiosperms is analyzed. The pollination processes, the pollen tube growth and fertilization mechanisms are described. Self-incompatibility systems are presented. Seed and fruit structure, formation and maturation are illustrated. Seed dormancy processes are studied. The different types of apomixis and their ecological importance are presented. The floral organography is detailed in order to introduce the student to the practical use of a flora and the identification of the main plants of our regions.
Inline resources	website Biologie végétale.be and flore en ligne
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Biology	MINBIOL	3		
Bachelor in Biology	BIOL1BA	3	LBIO1112	