

2.0 credits	15.0 h + 10.0 h	1q
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Teacher(s) :	Declerck Stephan ;
Language :	Français
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>
Main themes :	<ul style="list-style-type: none"> -Taxonomy : nomenclature and terminology ; main taxons (ascomycetes, zygomycetes, basidiomycetes and deuteromycetes) - Life cycles of some selected species representative of main taxons - Main groups of fungi - In vitro culture - Activity of decolouration by White Rot Fungi - Introduction to identification of fungal species - Physiology and secondary metabolites (emphasis put on mycotoxines) - Bases of fungi sexuality
Aims :	<p>Competences</p> <p>Use of fungal terminology</p> <p>Allocation of a fungal species to a main taxon</p> <p>Ability to use identification procedures to the fungal species (including yeasts, molds and filamentous fungi)</p> <p>Mastering the different forms of fungal sexuality and of principal asexual developments</p> <p>Knowledge</p> <p>Introduction to fungal terminology and associated references allowing autonomy to the student. The main taxons and life cycles of some representative species. The double nomenclature of sexual and asexual cycles (anamorphic and teleomorphic names). The fungal sexuality (bipolar and tetra polar, tetrad analysis, homothallic, heterothallism, parasexuality). Symbioses : lichens and mycorrhizes (ecto- and endomycorrhizes). In vitro culture of endomycorrhizes. Main groups of fungi and their applications in biotechnology and environmental bioremediation.</p> <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>
Faculty or entity in charge:	BIOL

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Bachelor in Biology	BIOL1BA	2	LCHM1141 and LCHM1242 and LCHM1271A and LCHM1371B	