

# Course Specifications

Valid as from the academic year 2020-2021

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size (nominal values; actual values may depend on programme)  
Credits 5.0 Study time 144 h Contact hrs 63.0 h

## Course offerings and teaching methods in academic year 2020-2021

A (semester 1)	Dutch	Gent	teaching method	hours
			online lecture	0.0 h
			practicum	38.75 h
			lecture	25.0 h
			online discussion group	0.0 h

## Lecturers in academic year 2020-2021

Verbeken, Annemieke WE11 lecturer-in-charge

## Offered in the following programmes in 2020-2021

programme	crdts	offering
<a href="#">Bachelor of Science in Biology</a>	5	A
<a href="#">Preparatory Course Master of Science in Biology</a>	5	A

## Teaching languages

Dutch

## Keywords

Fungi, pseudofungi, slime moulds, moulds, mushrooms, Protozoa p.p., Chromista p.p., Eumycota, systematics, morphology, phylogeny, ecology, lichens

## Position of the course

This course wants to give an overview of the huge biodiversity of fungi s.l. and to provide insights in the characters which lead to the current classification and in the evolutive processes which resulted in this biodiversity and variability. This course will be given to all ba2 students (later going to ecology, biodiversity or functional biology) and besides the systematic line that will be followed, there will be focused consequently on the ecological role of certain groups of fungi, on their life-strategy and on the relations plants-fungi and animal-fungi.

## Contents

- Introduction
- History of mycology
- What are fungi (incl. Pseudofungi and slime moulds) and where do they belong systematically?
- Fungi s.l.: general characters
- Slime moulds (Protozoa p.p.)
- Fungi in the kingdom Straminipila
- Fungi in the kingdom Eumycota
- To sex or not to sex
- Mycorrhiza

## Initial competences

Biodiversity in bachelor 1

## Final competences

- 1 Knowledge of the mycological terminology and being able to interpret and use this terminology.
- 2 Insights in the building pattern, life cycle, reproduction and life-strategy of the major groups of fungi.
- 3 Insights in their phylogeny and evolution.
- 4 Field-knowledge of some of the most important genera of especially Agaricales.

- 5 Introductory fieldwork.
- 6 Identification tools mushrooms.

#### Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

#### Conditions for exam contract

This course unit cannot be taken via an exam contract

#### Teaching methods

Excursion, group work, lecture, online discussion group, practicum, online lecture

#### Extra information on the teaching methods

Practical courses are scheduled every friday afternoon. Depending on the weather condition and the availability of fresh mushrooms, excursions will be planned during some of these afternoons. A small group task is part of the last economica practicum and includes a short oral and written rapport.

#### Learning materials and price

Syllabus 350 pages, ppt presentations, fresh material, microscopical slides  
Cost: about 30 €

#### References

Alexopoulos, C.J.; Mims, C.W. & Blackwell, M. (1996) - Introductory mycology. 4th ed. John Wiley & Sons, N.Y. Esser, K; & Lemke, P.A. (1994-2003). The Mycota I-X (eds.). Springer-Verlag.  
Crous, P.W.; Verkley G.J.M.; Groenewald J.Z. & Houbraken J. (2019) - Fungal Biodiversity. Westerdijk Laboratory Manual Series 1.

#### Course content-related study coaching

Possibility for discussion of questioning during or immediately after the lectures, via email or personal contact with teacher or assistant  
Practical exercises will be intensively guided and monitored.

#### Evaluation methods

end-of-term evaluation and continuous assessment

#### Examination methods in case of periodic evaluation during the first examination period

Written examination with open questions, oral examination

#### Examination methods in case of periodic evaluation during the second examination period

Written examination with open questions, oral examination

#### Examination methods in case of permanent evaluation

Participation, assignment

#### Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

#### Extra information on the examination methods

One evaluation for the theoretical part, permanent and one-time for practical part.  
Theoretical part: written exam with open questions followed by oral exam (checking the answers, completing where necessary); Practical part: permanent evaluation of the exercises during the practical courses and test of practical knowledge on the day of the theoretical exam.  
Exam structure and content are discussed at the end of the theoretical course.

#### Calculation of the examination mark

Theory: 90%  
Practicum and permanent evaluation: 10%