Universiteit van Pretoria Jaarboek 2018

BScHons Mikrobiologie (02240601)

Minimum duur van studie	1 jaar
Totale krediete	135

Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

Renewal of registration

1. Subject to exceptions approved by the Dean, on the recommendation of the head of department, and in the case of distance education where the Dean formulates the stipulations that will apply, a student may not sit for an examination for the honours degree more than twice in the same module.
2. A student for an honours degree must complete his or her study, in the case of full-time students, within two years and, in the case of after-hours students, within three years of first registering for the degree and, in the case of distance education students, within the period stipulated by the Dean. Under special circumstances, the Dean, on the recommendation of the head of department, may give approval for a limited extension of this period.

In calculating marks, General Regulation G.12.2 applies.

Apart from the prescribed coursework, a research project is an integral part of the study.

Toelatingsvereistes

'n Gemiddelde slaagsyfer van 60% of meer in ten minste vier modules aangebied deur die Departement Mikrobiologie en Plantpatologie aan 300-vlak (waarvan een MBY 364 moet wees) of toestemming deur die hoof van die departement. Let daarop dat addisionele modules kan deur die hoof van die departement waar dit nodig geag word voorgeskryf word.

Slaag met lof

The BScHons degree is awarded with distinction to a candidate who obtains a weighted average of at least 75% in all the prescribed modules and a minimum of 65% in any one module.

Kurrikulum: Finale jaar

Minimum krediete: 135

Kernmodules

Navorsingsmetodes 751 (MCP 751)

Modulekrediete	30.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	7 lesings per week, 5 praktiese sessies per week
Onderrigtaal	Module word in Engels aangebied
Departement	Mikrobiologie en Plantpatologie
Aanbiedingstydperk	Jaar

Module-inhoud

*Hierdie inligting is slegs in Engels beskikbaar.

The module provides students with planning, data handling, writing, and presentation skills required for microbiological research. In addition, students are provided with hands-on experience in the advanced techniques utilised in research and analysis. Ethnical and philosophical issues in the broader field of Microbiology and Plant Pathology are also addressed.

Seminaarkursus 752 (MCP 752)

Modulekrediete	15.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	3 besprekingsklasse per week, 2 seminare per week
Onderrigtaal	Module word in Engels aangebied
Departement	Mikrobiologie en Plantpatologie
Aanbiedingstydperk	Jaar

Module-inhoud

*Hierdie inligting is slegs in Engels beskikbaar.

Students are guided to collect relevant literature from disparate papers in the broader field of Microbiology and Plant Pathology and to condense and collate this into a written seminar, which is also presented verbally.

Tendense in mikrobiologie (MCP 753)

Modulekrediete	15.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	2 seminare per week, 3 besprekingsklasse per week
Onderrigtaal	Module word in Engels aangebied
Departement	Mikrobiologie en Plantpatologie

Aanbiedingstydperk	Jaar

Module-inhoud

*Hierdie inligting is slegs in Engels beskikbaar.

Discussions and essays focusing on recent advances in the broader field of Microbiology and Plant Pathology, as well as contextualising these developments within the broader framework of the Biosciences and its role in modern society.

Navorsingsprojek en literatuurstudie 754 (MCP 754)

Modulekrediete	60.00
Voorvereistes	Geen voorvereistes.
Onderrigtaal	Module word in Engels aangebied
Departement	Mikrobiologie en Plantpatologie
Aanbiedingstydperk	Jaar

Module-inhoud

*Hierdie inligting is slegs in Engels beskikbaar.

The module includes both practical and theoretical components. In addition to an individual research project with well-defined limits that is undertaken under the guidance of a lecturer, the module also acquaint the student with the theoretical aspects relevant to a specific research topic. The research project is thus preceded by the presentation of an in-depth review of the relevant literature, and the project is concluded with a progress report, presented in the format of a short publication and an oral presentation.

Molekulêre en selbiologie 721 (MLB 721)

Modulekrediete	15.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	2 besprekingsklasse per week
Onderrigtaal	Module word in Engels aangebied
Departement	Mikrobiologie en Plantpatologie
Aanbiedingstydperk	Semester 2

Module-inhoud

*Hierdie inligting is slegs in Engels beskikbaar.

Principles and applications of recombinant DNA, and other novel molecular and genomics technologies, to address questions in the biological sciences and/or biotechnology. Strong emphasis is placed on the principles of research planning, including identifying suitable research objectives, formulating a research strategy and understanding the relevance and feasibility of research. The module is assessed by means of a research project proposal, conceived and formulated by each student. The proposal must focus on the use of molecular technologies in addressing realistic questions in biology and/or biotechnology. There is also an oral defense of the project proposal.
This module is jointly presented in the departments of Biochemistry, Genetics and Microbiology and Plant Pathology.

Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die Algemene Regulasies (G Regulasies) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertroud met hierdie regulasies sowel as met die inligting vervat in die Algemene Reëls sal wees. Onkunde betrefffende hierdie regulasies en reels sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.