Universiteit van Pretoria Jaarboek 2017

BScHons Biochemie (02240701)

Duur van studie	1 jaar
Totale krediete	135

Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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 Toepaslike BSc-graad met 'n finale geweegde gemiddelde (GPA) van minstens 60%, en minstens 60% of meer in Biochemie op 300-vlak. Toelating hang verder af van die beskikbaarheid van studieleiers en/of navorsingsprojekte in die departement.

Ander programspesifieke inligting

- A pass mark is required for all the components of the honours programme and the average mark is calculated proportionally to the credits.
- Additional modules can be prescribed to remedy shortcomings in a candidate's undergraduate training.

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

Navorsingsprojek en -verslag 773 (BCM 773)

Modulekrediete	60.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	1 ander kontak per week
Onderrigtaal	Module word in Engels aangebied
Akademiese organisasie	Biochemie
Aanbiedingstydperk	Jaar

Tendense in biochemiese navorsing 771 (BCM 771)

Modulekrediete	15.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	1 besprekingsklas per week
Onderrigtaal	Module word in Engels aangebied
Akademiese organisasie	Biochemie
Aanbiedingstydperk	Jaar

Module-inhoud

* Hierdie inligting is slegs in Engels beskikbaar.

Study and discussion of topical research results from recent scientific publications.

Navorsingsmetodes 774 (BCM 774)

Modulekrediete	30.00
Voorvereistes	Toelating tot BScHons Biochemie, Biotegnologie, Genetika, Mikrobiologie, Bioinformatika of Mensfisiologie
Kontaktyd	4 lesings per week, 2 praktiese sessies per week, 2 webgebaseerde periodes per week
Onderrigtaal	Module word in Engels aangebied
Akademiese organisasie	Biochemie
Aanbiedingstydperk	Jaar

Module-inhoud

* Hierdie inligting is slegs in Engels beskikbaar.

Students are guided through the methodology of research planning and data handling, as well as science communication skills. They are offered hands-on experience in a range of advanced techniques employed in biochemistry, molecular technologies and biochemical analysis. Scientific writing and presentation skills required for research in biochemistry, are also addressed. Ethical and philosophical issues in the broader field of the Cellular and Molecular Sciences are also addressed. Several of these aspects will be presented collaboratively by the Department of Genetics and the Department of Microbiology and Plant Pathology.

Gevorderde biochemie 775 (BCM 775)

Modulekrediete	15.00
Voorvereistes	Toelating tot BScHons Biochemie, Genetika, Mikrobiologie, Bioinformatika of Mensfisiologie
Kontaktyd	4 webgebaseerde periodes per week, 4 lesings per week
Onderrigtaal	Module word in Engels aangebied
Akademiese organisasie	Biochemie
Aanbiedingstydperk	Jaar

Module-inhoud

* Hierdie inligting is slegs in Engels beskikbaar.

The latest trends towars a biological systems approach of metabolism, functional genomics and control. This includes intergration of metabolic pathways, mechanisms of regulation and metabolic control analysis.

Molekulêre en selbiologie 721 (MLB 721)

Modulekrediete	15.00
Voorvereistes	Geen voorvereistes.
Kontaktyd	2 besprekingsklasse per week
Onderrigtaal	Module word in Engels aangebied
Akademiese organisasie	Mikrobiologie en Plantpat
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.