Universiteit van Pretoria Jaarboek 2017

BScHons Toegepaste Wiskunde (02240172)

Duur van studie	1 jaar
Totale krediete	135

Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

The programme compilation consists of seven honours modules of 15 credits each as well as the mandatory project (30 credits). It is required that students select the stream and elective modules according to the prerequisites of the modules.

- Stream 1: Applied analysis
- Stream 2: Differential equations and modelling

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 BSc in Wiskunde, Toegepaste Wiskunde of gelykstaande graad met ten minste 'n gemiddelde 60% in die finale jaar Wiskunde of Toegepaste Wiskunde vakke. Die finale jaar moet ten minste vier van die volgende derdejaarsvlak modules of gelykstaande bevat: parsiële differensiaalvergelykings, dinamiese stelsels (gewone differensiaalvergelykings), reële analise, komplekse analise, numeriese analise en kontinuum meganika. In die keuringsprosedure die kandidaat se volledige voorgraadse akademiese rekord sal oorweeg word.

Bevordering tot volgende studiejaar

The progress of all honours candidates is monitored biannually by the postgraduate coordinator/head of department. A candidate’s study may be terminated if the progress is unsatisfactory or if the candidate is unable to finish his/her studies during the prescribed period.

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

Parsiële differensiaalvergelykings van wiskundige fisika 776 (WTW 776) - Krediete: 15.00
Projek 795 (WTW 795) - Krediete: 30.00

Keusemodules

Wiskundige optimering 750 (WTW 750) - Krediete: 15.00
Main principles of analysis in application 735 (WTW 735) - Krediete: 15.00
Maatteorie en waarskynlikheid 734 (WTW 734) - Krediete: 15.00
Eindige-elementmetode 763 (WTW 763) - Krediete: 15.00
Kontinuummeganika 787 (WTW 787) - Krediete: 15.00
Funksionaalanalise 710 (WTW 710) - Krediete: 15.00
Wiskundige metodes en modelle 772 (WTW 772) - Krediete: 15.00
Numeriese analise 733 (WTW 733) - Krediete: 15.00
Stogastiese calculus 764 (WTW 764) - Krediete: 15.00

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.