

# University of Pretoria Yearbook 2020

## BScHons Mathematical Statistics (02240192)

**Minimum duration of study** 1 year

**Total credits** 135

**NQF level** 08

### Programme information

#### Renewal of registration

- Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.
- 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. Under special circumstances, the Dean, on the recommendation of the relevant 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.

### Admission requirements

- A relevant bachelor's degree with Mathematical Statistics at third-year level is required. A relevant degree must cover compatible content of required degrees at the University of Pretoria.
- For BScHons (Mathematical Statistics) an average mark of 65% or more is required in:
  - mathematical statistics at third-year level, or
  - an equivalent statistics module(s) at an accredited institution.
- Students from other accredited institutions must comply with the same requirements based on equivalent modules at their institutions. In addition, students from other accredited institutions must also pass an entrance evaluation.
- Student numbers are limited to a maximum of 40, collectively over all honours programmes in the Department of Statistics.
- Historical performance during prior studies will also be considered in selecting students. Specific attention will be given to modules repeated and duration of study.
- A compulsory language proficiency test must be completed at UP. The postgraduate committee of the department will help with the facilitation of the test through the universities language unit. It may be required, based on the outcome, that a student does additional language courses.
- Applications must include full academic transcripts from undergraduate to current level. SAQA evaluation documentation is required for international applications and on request for students with qualifications from South African institutions.

## Promotion to next study year

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.

## Pass with distinction

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.

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## Curriculum: Final year

**Minimum credits: 135**

Core credits: 60

Elective credits: 75

### Core modules

[Linear models 710](#) (LMO 710) - Credits: 15.00

[Multivariate analysis 710](#) (MVA 710) - Credits: 15.00

[Research orientation 796](#) (STK 796) - Credits: 0.00

[Research report: Mathematical statistics 795](#) (WST 795) - Credits: 30.00

### Elective modules

[Introduction to statistical learning 720](#) (EKT 720) - Credits: 15.00

[Text and behavioural analytics 725](#) (EKT 725) - Credits: 15.00

[Linear models 720](#) (LMO 720) - Credits: 15.00

[Multivariate analysis 720](#) (MVA 720) - Credits: 15.00

[Parametric stochastic processes 720](#) (PNP 720) - Credits: 15.00

[Sampling techniques 720](#) (SFT 720) - Credits: 15.00

[Simulation and computation 710](#) (STC 710) - Credits: 15.00

[Capita selecta: Statistics 720](#) (STC 720) - Credits: 15.00

[Linear mixed models 781](#) (STK 781) - Credits: 15.00

[Distribution-free methods 710](#) (VMT 710) - Credits: 15.00

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.