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# University of Pretoria Yearbook 2017

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## BComHons Mathematical Statistics (07240244)

<b>Duration of study</b>	1 year
<b>Total credits</b>	135
<b>Contact</b>	Prof IN Fabris-Rotelli <a href="mailto:inger.fabris-rotelli@up.ac.za">inger.fabris-rotelli@up.ac.za</a> +27 (0)124205420

### Admission requirements

- Relevant BCom degree with an average of at least 65% in Mathematical Statistics or equivalent on 3rd year level.
- 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.
- 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.

1. Registration for a second field of study With reference to General Regulation G.6, a student who has already completed a bachelor of honours degree at this or another university, may, with the permission of the Dean, register for another degree, subject to the regulations applicable to the field of study in question and to any other stipulations the Dean may prescribe on the condition that there shall be no overlap in the course content of the first degree and the second degree. Such a concession may be withdrawn by the Dean/Deans if the student does not perform satisfactorily.

#### 2. Acknowledgement of modules

2.1. Subject to the stipulations of G.22.1, G.23.2 and the Joint Statute, a Dean may acknowledge modules passed at another tertiary institution or at this University in a department other than that in which the honours study is undertaken for the honours degree – provided that at least half of the required modules for the degree in question are attended and passed at this university.

2.2. If there is overlap in the course content of the degree for which the student wishes to enrol or is enrolled and a degree already conferred, the Dean may not acknowledge any modules that form part of the degree already conferred.

### Additional requirements

1. Historical performance during prior studies will also be considered in selecting students. Specific attention will be given to modules repeated and duration of study.
2. 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.



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- b. If there is overlap in the course content of the degree for which the student wishes to enrol or is enrolled and a degree already conferred, the Dean may not acknowledge any modules that form part of the degree already conferred.

## Examinations and pass requirements

In calculating marks, General Regulation G12.2 applies.

Subject to the provisions of General Regulation G.26, a head of a department determines, in consultation with the Dean

- when the honours examinations in his/her department will take place, provided that:
  - i. honours examinations which do not take place before the end of the academic year, must take place no later than 18 January of the following year, and all examination results must be submitted to the Student Administration by 25 January; and
  - ii. honours examinations which do not take place before the end of the first semester, may take place no later than 15 July, and all examination results must be submitted to the Student Administration on or before 18 July.
- whether a candidate will be admitted to a supplementary examination, provided that a supplementary examination is granted, only once in a maximum of two prescribed semester modules or once in one year module;
- supplementary examinations (if granted) cover the same subject matter as was the case for the examinations;
- NB: For the purpose of this provision, the phrase "not sit for an examination more than twice in the same subject" as it appears in General Regulation G.18.2, implies that a candidate may not be admitted to an examination in a module, including a supplementary examination, more than three times.
- the manner in which research reports are prepared and examined in his department.

**NB:** Full details are published in each department's postgraduate information brochure, which is available from the head of department concerned. The minimum pass mark for a research report is 50%. The provisions regarding pass requirements for dissertations contained in General Regulation G.12.2 apply mutatis mutandis to research reports.

Subject to the provisions of General Regulation G.12.2.1.3, the subminimum required in subdivisions of modules is published in the study guides, which is available from the head of department concerned.



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## Curriculum: Final year

**Minimum credits: 135**

### Core modules

Linear models 710 (LMO 710) - Credits: 15.00

Multivariate analysis 710 (MVA 710) - Credits: 15.00

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

### Elective modules

Introduction to statistical learning 720 (EKT 720) - 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

Statistical process control 780 (SPC 780) - Credits: 15.00

Analysis of time series 720 (TRA 720) - 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.