

# MCom or MSc in Mathematical Statistics

## Coursework and Thesis option

### *Specific Admission Requirements*

- An honours degree with Mathematical Statistics as the major field of study.

### *Closing Date for Applications*

Apply in writing to the departmental chair or Registrar by the end of October of the previous year.

### *Programme Structure*

You must submit a thesis of 90 credits and earn further credits from advanced coursework to obtain a total of at least 180 credits.

### *Duration of Programme*

The duration of the programme is at least 12 months and begins one and a half weeks before the general start of classes.

### *Programme Content*

The compulsory and elective modules are presented in the tables below. Depending on circumstances in the Department, some of the modules listed below may not be offered in a specific year and modules can also be offered in different semesters than listed below.

#### *Programme Module*

Subject Number	Module Code	Credits	Module Name	Semester
22853	879	180	MCom and MSc in Mathematical Statistics (coursework plus thesis option)	Both

#### *Compulsory thesis: Mathematical Statistics*

Subject Number	Module Code	Credits	Module Name	Semester
11246	891	90	Thesis: Mathematical Statistics	Both

#### *Elective Modules*

Choose modules from the table below to obtain at least 180 credits together with the thesis.

Subject Number	Module Code	Credits	Module Name	Semester
10441	813	15	Extreme value theory A	2
10442	843	15	Extreme value theory B	2
10523	818	15	Advanced sampling techniques	2
10524	819	15	Advanced Mathematical Statistics A	1

11173	849	15	Advanced Mathematical Statistics B	2
10694	811	15	Bootstrap and other resampling techniques A	1
10695	841	15	Bootstrap And Other Resampling Techniques B	2
18130	822	15	Multi-dimensional Scaling A	1
11910	852	15	Multi-dimensional Scaling B	2
10703	812	15	Statistical Learning Theory A	2
10704	842	15	Statistical Learning Theory B	2

### ***Assessment and Examination***

Examinations in the coursework are written at the end of the second semester in November. You must also submit a thesis resulting from your independent research plus supplementary work that can be required by the Department.

### **Coursework and Assignment option**

#### ***Specific Admission Requirements***

- An honours degree with Mathematical Statistics as the major field of study.

#### ***Closing Date for Applications***

Apply in writing to the departmental chair or Registrar by the end of October of the previous year.

#### ***Programme Structure***

You must obtain a minimum of 180 credits in this programme. The assignment of 60 credits is compulsory.

#### ***Duration of Programme***

The duration of the programme is at least 12 months and begins one and a half weeks before the general start of classes.

#### ***Programme Content***

The compulsory and elective modules are presented in the tables below. Depending on circumstances in the Department, some of the modules listed below may not be offered in a specific year and modules can also be offered in different semesters than listed below.

#### ***Programme Module***

<b>Subject Number</b>	<b>Module Code</b>	<b>Credits</b>	<b>Module Name</b>	<b>Semester</b>
22853	889	180	MCom and MSc in Mathematical Statistics (coursework plus assignment option)	Both

*Compulsory Assignment: Mathematical Statistics modules*

Subject Number	Module Code	Credits	Module Name	Semester
11228	895	60	Research Assignment: Mathematical Statistics	Both

*Elective Modules*

Choose from the modules below to obtain at least 180 credits together with the assignment.

Subject Number	Module Code	Credits	Module Name	Semester
10523	818	15	Advanced sampling techniques	2
10524	819	15	Advanced Mathematical Statistics A	1
11173	849	15	Advanced Mathematical Statistics B	2
10694	811	15	Bootstrap and other resampling techniques A	Both
10695	841	15	Bootstrap And Other Resampling Techniques B	2
10441	813	15	Extreme value theory A	2
10442	843	15	Extreme value theory B	2
18130	822	15	Multi-dimensional scaling A	1
11910	852	15	Multi-dimensional scaling B	2
10703	812	15	Statistical learning theory A	2
10704	842	15	Statistical learning theory B	2

***Assessment and Examination***

Examinations in the coursework are written at the end of the second semester in November. You must also submit an assignment resulting from your independent research plus supplementary work that can be required by the Department.