

M. Sc. Statistics Programme under CCSS
at the Department of Statistics, University of Calicut

Admission Criteria: Candidates with B.Sc. Degree (Minimum 50% marks) with (i) Statistics Main or (ii) Mathematics Main with Statistics as one of the Subsidiary Subjects are eligible. Applicants will be ranked on the basis of the total marks obtained for Part III of B.Sc. Examination. 30% of the total number of seats shall be reserved for B.Sc. Degree holders with Statistics Main.

Course Structure & Syllabi
(With effect from 2010 admission onwards)

Duration of programme: **Two years** - divided into **four semesters** of not less than **90** working days each.

<u>Course Code</u>	<u>Type</u>	<u>Course Title</u>	<u>Credits</u>
<u>I SEMESTER</u> (Total Credits: 20)			
STA1C01	Core	Mathematical Methods for Statistics – I	4
STA1C02	Core	Mathematical Methods for Statistics – II	4
STA1C03	Core	Probability Theory – I	4
STA1C04	Core	Distribution Theory	4
STA1C05	Core	Sampling Theory	4
<u>II SEMESTER</u> (Total Credits: 18)			
STA2C06	Core	Probability Theory – II	4
STA2C07	Core	Statistical Inference – I	4
STA2C08	Core	Design & Analysis of Experiments	4
STA2C09	Core	Regression Methods	4
STA2C10	Core	Practical – I	2
<u>III SEMESTER</u> (Total Credits: 20)			
STA3C11	Core	Statistical Inference – II	4
STA3C12	Core	Multivariate Analysis	4
STA3C13	Core	Stochastic Processes	4
STA3E--	Elective	Elective-I	4
STA3E--	Elective	Elective-II	4
<u>IV SEMESTER</u> (Total Credits: 18)			
STA4C14	Core	Project and Dissertation	8
STA4E--	Elective	Elective-III	4
STA4E--	Elective	Elective-IV	4
STA4C15	Core	Practical – II	2

Total Credits: **76** (Core courses-52, Project and Dissertation -8 and Elective courses-16).

The courses Elective –I, Elective –II, Elective –III and Elective –IV shall be chosen from the following list.

LIST OF ELECTIVES

<u>Sl. No.</u>	<u>Course Title</u>	<u>Credits</u>
E01	Time Series Analysis	4
E02	Operations Research – I	4
E03	Lifetime Data Analysis	4
E04	Operations Research - II	4
E05	Queueing Theory	4
E06	Statistical Decision Theory	4
E07	Reliability Theory	4
E08	Actuarial Statistics	4
E09	Statistical Quality Assurance	4
For other P.G. Programmes under CCSS Scheme:		
E10	Statistics for Biological Sciences	4