



DEPARTMENT OF STATISTICS
MADRAS CHRISTIAN COLLEGE

List of Papers offered for B. Sc. Statistics under Choice Based Credit System
For candidates joining from June 2011 and thereafter

Semester	Type	Sub. Code	Title of the Paper	Hours/Week	Credits
1	General Course	B8-STGC-1	Introductory Statistics	4	2
	Major	B8-STM-1.1	Descriptive Statistics	4	4
		B8-STM-1.2	Mathematics for Statistics	4	4
		B8-STMP-1	Major Practical - I	2	-#
	Allied I	B8-StA-1.1	Computer Science - I : FoxPro for Windows	4	4
B8-STAP-1		Allied Practical - I	2	-#	
2	*General Course	B8-STGC-1	Introductory Statistics	4	2
	Major	B8-STM-2.1	Matrix Algebra	4	4
		B8-STM-2.2	Probability and Random Variables	4	4
		B8-STMP-1	Major Practical - I	2	2
	Allied I	B8-StA-2.1	Computer Science II - MS-Excel and SPSS	4	4
B8-STAP-1		Allied Practical - I	2	2	
3	Major	B8-STM-3.1	Real Analysis	4	4
		B8-STM-3.2	Distribution Theory	4	4
		B8-STMP-2	Major Practical - II	2	-#
	Allied II	B8-StA-3.1	Managerial Economics and Demography - I	4	4
		B8-STAP-2	Allied Practical - II	2	-#
Interdisciplinary	B8-STID-3.1	Actuarial Statistics	4	3	
4	Major	B8-STM-4.1	Theory of Estimation	4	4
		B8-STM-4.2	Testing of Hypotheses	4	4
		B8-STMP-2	Major Practical - II	2	2
	Allied II	B8-StA-4.1	Managerial Economics and Demography - II	4	4
		B8-STAP-2	Allied Practical - II	2	2
Interdisciplinary	B8-STID-4.1	Environmental Studies (UGC Syllabus)	4	2	
5	Major	B8-STM-5.1	Operations Research	5	5
		B8-STM-5.2	Sampling Theory	5	4
		B8-STM-5.3	Regression Analysis with SPSS	5	4
		B8-STM-5.4	Statistics Using R Language	5	4
	General Elective	B8-STMP-3	Major Practical - III	6	2
6	Major	B8-STGE-5.1	Total Quality Management	4	3
		B8-STM-6.1	Design of Experiments	6	5
		B8-STM-6.2	Applied Statistics	6	4
		B8-STM-6.3	Stochastic Processes	6	4
		B8-STM-6.4	Computer Programming in C and Numerical Methods	6	4
B8-STMP-4	Major Practical IV	6	3		

Total Credits(Major : 75, Allied : 20) = 95

Note: Service Learning Programmes: Socio-Economic, Health, Tribal, Political Opinion Surveys, Agricultural Experiments-Presentation Statistics (Outside the class hours)

Major and Allied practical examinations for Semester I and II, and Semester III and IV will be conducted at the end of Semester II and Semester IV respectively.

* One of the two General courses will be offered either in the First semester or in the Second semester by our department.

Marks : For each paper : Continuous Assessment 50 marks + End of Semester Examinations 50 marks = 100 Marks