

GOVT. COLLEGE WOMEN UNIVERSITY FAISALABAD
DEPARTMENT OF STATISTICS

SCHEME OF STUDIES BS STATISTICS FOUR YEAR DEGREE PROGRAMME 2019

Semester I

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-301	Introduction to Statistics	4(4-0)	
Minor Course			
ICT-321	Introduction to Computer	3(2-1)	
MTH-321	Mathematics-I	3(3-0)	
ENG-321	English-I Language in Use	3(3-0)	
PST-321	Pakistan Studies	2(2-0)	
CHM-300	Environmental Sciences	1(1-0)	
Total		16(15-1)	

Semester II

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-302	Basic Probability & Random Variables	3(3-0)	
Minor Course			
MTH-322	Mathematics-II	3(3-0)	
ICT-323	Introduction to Programming	3(2-1)	
ENG-322	English-II Academic Reading and Writing	3(3-0)	
ISL-408	Islamic Studies	2(2-0)	
BBA-506	Human Resource Management	3(3-0)	
Total		17(16-1)	

Semester III

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-401	Introduction to Probability Distribution	3(3-0)	
STA-403	Introduction to Survey Sampling	3(3-0)	
Minor Course			
ENG-421	English-III Communication Skills	3(3-0)	
ECO-301	Principles of Micro Economics	3(3-0)	
MTH-324	Mathematics-III	3(3-0)	
Total		15(16-0)	

Semester IV

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-402	Introduction to Regression Analysis & ANOVA	4(4-0)	
STA-406	Applied Statistics	4(4-0)	
STA-404	Basics of Estimation & Hypothesis Testing	4(4-0)	
Minor Course			
MTH-406	Ordinary Differential Equations	3(3-0)	
ECO-302	Principles of Macro Economics	3(3-0)	
Total		18(18-0)	

Semester V

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-501	Probability & Probability Distribution-I	4(4-0)	
STA-503	Sampling Techniques-I	3(3-0)	
STA-505	Statistical Methods	4(4-0)	
STA-507	Operations Research	3(3-0)	
STA-509	Population Studies	3(3-0)	
Total		17(17-0)	

Semester VI

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-502	Probability & Probability Distribution-II	4(4-0)	
STA-504	Sampling Techniques-II	3(3-0)	
STA-506	Design & Analysis of Experiments-I	4(4-0)	
STA-508	Statistical Quality Control	3(3-0)	
STA-510	Non Parametric Method	3(3-0)	
Total		17(17-0)	

Semester VII

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-601	Econometrics-I	4(4-0)	
STA-603	Design & Analysis of Experiments-II	4(4-0)	
STA-605	Multivariate Analysis-I	3(3-0)	
STA-607	Statistical Inference-I	3(3-0)	
STA-609	Statistical Software-I	3(0-3)	
STA-629	Seminar	1(0-1)	
Total		18(14-4)	

Semester VIII

Course Code	Title of the Course	Credit Hours	
Major Course			
STA-602	Econometrics-II	4(4-0)	
STA-604	Statistical Inference-II	4(4-0)	
STA-606	Multivariate Analysis-II	3(3-0)	
STA-608	Statistical Software-II	3(3-0)	
STA-630	Special Problem	1(0 -1)	
Any One of The Following Courses			
STA-614	Analysis of Time Series & Forecasting	3(3-0)	
STA-616	Categorical Data Analysis	3(3-0)	
STA-618	Biostatistics	3(3-0)	
STA-620	Bayesian Statistics	3(3-0)	
Total		18(17-1)	
Grand Total		136	

Programme	Award	Duration	Semester	Credit Hours
Bachelor of Sciences	BS Statistics	4 years	8 Semester	136

Approved by BOS Meeting and Academic Council