

BS (4 Years) Statistics (COMBINATION-I)

Scheme of Studies for Eight Semesters (valid from November, 2012)

Course Title	Course Code	Course Hours
SEMESTER-I		
Islamiat/Ethics	ISE-111	2
English-I (Language in Use)	ENG-111	3
Computer (Introduction and Applications)	COMP-111	3
Mathematics A-I [Calculus (I)]	MATH-101	4
Physics-I (Mechanics & Optics)	PHY-111	3
Physics Lab-I (Mechanics & Optics)	PHY-112	1
Statistics-I	STAT-101	3
Statistics Lab-I	STAT-102	1
Semester's Total Credits		20
SEMESTER-II		
Pakistan Studies	PST-111	2
English-II (Academic Reading and Writing)	ENG-112	3
Mathematics A-II [Plane Curves & Analytic Geometry]	MATH-103	4
Physics-II (Waves & Oscillation)	PHY-113	3
Physics Lab-II (Waves & Oscillation)	PHY-114	1
Statistics-II	STAT-103	3
Statistics Lab-II	STAT-104	1
Semester's Total Credits		17
SEMESTER-III		
English-III (Communication Skills)	ENG-211	3
Mathematics A-III [Linear Algebra]	MATH-201	4
Physics-III (Electricity & Magnetism)	PHY-211	3
Physics Lab-III (Electricity & Magnetism)	PHY-212	1
Statistics-III	STAT-201	3
Statistics Lab-III	STAT-202	1
Semester's Total Credits		15
SEMESTER-IV		
English-IV (English for Practical Aims)	ENG-212	3
Mathematics A-IV [Ordinary Differential Equations]	MATH-203	4
Physics-IV (Concepts of Modern Physics)	PHY-213	3
Physics Lab-IV (Concepts of Modern Physics)	PHY-214	1
Statistics-IV	STAT-203	3
Statistics Lab-IV	STAT-204	1
Introduction to Sociology	SOC-211	3
Semester's Total Credits		18
SEMESTER-V		
Parametric and Nonparametric Tests (Theory)	STAT-301	3
Parametric and Nonparametric Tests (Lab)	STAT-302	1
Design and Analysis of Experiments (Theory)	STAT-303	3
Design and Analysis of Experiments (Lab)	STAT-304	1
Sampling Techniques (Theory)	STAT-305	3
Sampling Techniques (Lab)	STAT-306	1
Probability Theory (Theory)	STAT-307	3
Probability Theory (Lab)	STAT-308	1
Statistical Computer Packages	STAT-309	2
Semester's Total Credits		18
SEMESTER-VI		

Advanced Experimental Design (Theory)	STAT-310	3
Advanced Experimental Design (Lab)	STAT-311	1
Advanced Sampling Techniques (Theory)	STAT-312	3
Advanced Sampling Techniques (Lab)	STAT-313	1
Multivariate Techniques (Theory)	STAT-314	3
Multivariate Techniques (Lab)	STAT-315	1
Probability Distributions (Theory)	STAT-316	3
Probability Distributions (Lab)	STAT-317	1
FORTRAN Computer Language	STAT-318	2
Semester's Total Credits		18
SEMESTER-VII		
Statistical Inference-I (Theory)	STAT-401	3
Statistical Inference-I (Lab)	STAT-402	1
Basic Econometrics (Theory)	STAT-403	3
Basic Econometrics (Lab)	STAT-404	1
C++ Computer Programming Language	STAT-405	3
Research Methodology	STAT-406	2
Time Series Analysis-I	STAT-411	3
Operation Research	STAT-412	3
Semester's Total Credits		19
SEMESTER-VIII		
Statistical Inference-II (Theory)	STAT-407	3
Statistical Inference-II (Lab)	STAT-408	1
Applied Econometrics (Theory)	STAT-409	3
Applied Econometrics (Lab)	STAT-410	1
Time Series Analysis-II	STAT-413	3
Multivariate Analysis	STAT-414	3
Total Quality Management	STAT-415	3
Semester's Total Credits		17