

B.Sc. (Hons.) Agriculture (Plant Breeding and Genetics)			
Course Title	Course Code	Course Type	Credit Hour
Semester 1			
GEN(NS)		General	3
Functional English	GENG-101	General	3
Civics and Community Engagement	GCCE-101	General	2
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	2
Introduction to Soil Science	SS-101	Major	3
Basic Agriculture	AGR-101	Major	3
Tarjuma-e-Quran	HQ-001	Compulsory	0
Total Credit Hours			16
Semester 2			
GEN(AH)		General	2
Quantitative Reasoning (I)	GQR-101	General	3
Entrepreneurship	GENT-101	General	2
Ideology and Constitution of Pakistan	GICP-101	General	2
Introductory Horticulture	HORT-102	Major	3
Introductory Food Technology	FST-102	Major	3
Tarjuma-e-Quran	HQ-002	Compulsory	1
Total Credit Hours			16
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	3
Expository Writing	GENG-201	General	3
ELEMENTARY GENETICS & PLANT BREEDING	PBG-201	Major	3
FUNDAMENTALS OF FORESTRY, RANGELAND AND WILDLIFE MANAGEMENT	FRW-201	Major	3
Introduction to Animal Husbandry	AH-201	Major	3
Tarjuma-e-Quran	HQ-003	Compulsory	0
Total Credit Hours			15
Semester 4			
GEN(SS)		General	2
Quantitative Reasoning (II)	GQR-202	General	3
INTRODUCTORY PLANT PATHOLOGY	PP-202	Major	3
GENERAL ENTOMOLOGY	ENT-202	Major	3
INTRODUCTION TO AGRICULTURE EXTENSION	AEE-202	Major	3
Tarjuma-e-Quran	HQ-004	Compulsory	1
Total Credit Hours			15
Semester 5			
Plant Molecular Breeding	PBG-309	Major	3
Breeding for Climate Change Resilient Crops	PBG-307	Major	3
Modern Techniques in Plant Breeding	PBG-305	Major	3
Breeding Field Crops	PBG-303	Major	3
Principles of Genetics	PBG-301	Major	3
Tarjuma-e-Quran	HQ-005	Compulsory	0
Morphology and Reproductive Systems of Crops	IDC-301	Interdisciplinary	3
Total Credit Hours			18
Semester 6			
Breeding Cereal Crops	PBG-310	Major	3
Molecular Genetics	PBG-308	Major	3
Biodiversity and Plant Genetic Resources	PBG-306	Major	3
Breeding Sugar Crops	PBG-304	Major	3
Breeding Fibre Crops	PBG-302	Major	3
Tarjuma-e-Quran	HQ-006	Compulsory	1
Introduction to Plant Tissue Culture	IDC-302	Interdisciplinary	3
Total Credit Hours			19
Semester 7			
Intellectual Property Rights in Crop Varieties	PBG-409	Major	3
Breeding Fodder and Forage crops	PBG-407	Major	3
Breeding Vegetable Crops	PBG-405	Major	3
Breeding Pulse Crops	PBG-403	Major	3
Breeding Oilseed Crops	PBG-401	Major	3
Tarjuma-e-Quran	HQ-007	Compulsory	0
Introductory Bioinformatics	IDC-401	Interdisciplinary	3
Total Credit Hours			18
Semester 8			
Major		Major	
Scientific Writing	IDC-402	Interdisciplinary	3
Capstone Project	PBG-406	Major	3
Seminar	PBG-404	Major	1
Internship /Study Project	PBG-402	Major	5
Tarjuma-e-Quran	HQ-008	Compulsory	1
Total Credit Hours			13

