

Curriculum for B.Sc. Agriculture

Semester-I		
Course No.	Title	Crd. Hrs.
Agron 301	Introduction to Agriculture	4(2-4)
AH 301	Animal Husbandry	4(3-2)
FRW 301	Agro-Forestry	3(2-2)
SS 301	Introductory Soil Science-I	4(3-2)
FT 301	Introduction to Food Science	3(2-2)
RS 301	Rural Sociology	2(2-0)
Eng 301	Reading Comprehension and Communication Skills-I	2(2-0)
PS 301	Pakistan Studies-I	2(2-0)
IS 301	Islamic Studies-I OR	2(2-0)
PS 303	Pakistan Culture	-----
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(All Compulsory)

Semester-II		
Course No.	Title	Crd. Hrs.
Agron 302	Principles of Agronomy	4(2-4)
Hort 302	Introduction to Horticulture	4(3-2)
FRW 302	Introduction to Range and Wildlife Management	3(2-2)
SS 302	Introductory Soil Science-II	4(2-4)
AE 302	Introduction to Agricultural Economics	2(2-0)
FT 302	Food Processing and Preservation	3(2-2)
Eng 302	Reading Comprehension and Communication Skill-II	2(2-0)
PS 302	Pakistan Studies-II	2(2-0)
IS 302	Islamic Studies-II OR	2(2-0)
PS 304	Islamic Culture and Civilization in Pakistan	-----
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Semester-III		
Course	Title	Crd. Hrs.

No.		
Agron 401	Field Crop Production-I	4(2-4)
Hort 401	Principal Horticultural Practices	4(3-2)
Ent 401	Introductory Entomology	4(2-4)
PP 401	Introduction to Plant Pathogens	4(2-4)
PBG 401	Introductory Genetics	4(3-2)
AEE 401	Agricultural Extension Methods	4(3-2)
ES 401	Environmental Science	3(3-0)
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Semester-IV		
Course No.	Title	Crd. Hrs.
Agron 402	Field Crop Production-II	4(2-4)
Hort 402	Principal Horticultural Crops	3(2-2)
Ent 402	Applied Entomology	4(2-4)
PP 402	Introductory Plant Pathology	4(3-2)
PBG 402	Introductory Plant Breeding	4(3-2)
AE 402	Agricultural Economics	3(3-0)
SS 402	Agricultural Biochemistry	4(3-2)
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Semester-V		
General Courses		
Course No.	Title	Crd. Hrs.
Agron 509	Crop Water Management	3(2-2)
FMP 501	Farm Mechanization	3(2-2)
I & D 501	Irrigation and Drainage	3(2-2)
Stat 501	Statistics	4(3-2)
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Major Courses		
Agronomy		
Agron 501	Arid Zone Agriculture	2(2-0)

Agron 503	Agro-technology of Major Field Crops	3(2-2)
Agron 505	Field Crop Physiology-I	4(3-2)
Agron 507	Stress Physiology	3(2-2)

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Entomology

Ent 501	Insect Morphology	3(2-2)
Ent 503	Insect Taxonomy	4(3-2)
Ent 505	Insect Ecology	3(2-2)
Ent 507	Urban Entomology	2(1-2)

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Horticulture

Hort 501	Principles of Fruit Production	4(3-2)
Hort 503	Principles of Vegetable Production	4(3-2)
Hort 505	Ornamental Horticulture	3(2-2)
Hort 507	Indoor and House Plants	3(2-2)

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Plant Breeding & Genetics

PBG 501	Genetics of Crop Plants	4(3-2)
PBG 503	Breeding of Field Crop	4(3-2)
PBG 505	Cytogenetics	5(3-4)

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Soil Science

SS 501	Physical Properties of Soil	4(3-2)
SS 503	Chemical Properties of Soil	4(3-2)
SS 505	Soil and Plant Analysis	4(1-6)

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Semester-VI

General Courses

Course No.	Title	Crd. Hrs.
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Agron 504	Fundamentals of Weed Science	4(3-2)
Ent 510	Pest Management	4(3-2)
AB 504	Agri-Business	3(3-0)
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Major Courses

Agronomy

Agron 506	Field Crop Physiology-II	4(3-2)
Agron 508	Crops Nutrients and Growth Regulators	3(2-2)
Agron 510	Biological Nitrogen Fixation	3(2-2)
Agron 512	Biological Crop Potential	3(2-2)
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Entomology

Ent 502	Insect Physiology	3(2-2)
Ent 504	Classification of adult Insects	4(3-2)
Ent 506	Pest Forecasting and Management	4(3-2)
Ent 508	Principles of Biological Control	2(1-2)
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Horticulture

Hort 502	Production of Fruits	4(3-2)
Hort 504	Production of Vegetable Crops	4(3-2)
Hort 506	Landscape Plants	3(2-2)
Hort 508	Breeding of Horticultural Plants	3(2-2)
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Plant Breeding & Genetics

PBG 502	Breeding of Fibre Crops	4(2-4)
PBG 504	Breeding of Maize and Millet	4(2-4)
PBG 506	Breeding of Oil Seed Crops	4(2-4)
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Soil Science

SS 502	Salt affected Soils and Water Quality	4(3-2)
SS 504	Soil Fertility and Fertilizers	4(3-2)
SS 506	Soil Genesis and Morphology	3(2-2)

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Semester-VII

General Courses

Course No.	Title	Crd. Hrs.
CS 601	Computer use in Agriculture	4(2-4)

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Major Courses

Agronomy

Agron 601	Seed Production and Technology	4(3-2)
Agron 603	Agronomic Research & Scientific Writing	5(2-6)
Agron 605	Conservation Agronomy	3(3-0)
Agron 607	Field Crop Ecology	3(3-0)
Agron 609	Irrigation Agronomy	3(2-2)
Agron 611	Seminar	1(1-0)

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Entomology

Ent 601	Agricultural Pests	4(3-2)
Ent 603	Insecticides and their Application	3(2-2)
Ent 605	Stored Product Entomology	2(1-2)
Ent 607	Host Plant Resistance	3(2-2)
Ent 609	Research and Report Writing	4(1-6)
Ent 611	Seminar	1(1-0)

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Horticulture

Hort 601	Research Methods in Horticulture	4(1-6)
Hort 603	Vegetables and Flower Seed Production	4(3-2)
Hort	Commercial Flower Production	3(2-2)

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Hort 607	Propagation and Nursery Management	3(1-4)
Hort 609	Post-harvest Horticulture	4(3-2)
Hort 611	Seminar	1(1-0)
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Plant Breeding & Genetics

PBG 601	Breeding of Sugar Crops	4(2-4)
PBG 603	Breeding of Cereal Crops	5(2-6)
PBG 605	Breeding of Pulse Crops	4(2-4)
PBG 607	Breeding of Forage Crops	3(2-2)
PBG 609	Seminar	1(1-0)
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Soil Science

SS 601	Soil Survey and Land Evaluation	3(2-2)
SS 603	Soil and Water Conservation	4(3-2)
SS 605	Environmental Pollution and Management	3(2-2)
SS 607	Soil Microbiology	4(3-2)
Math 601	Mathematics for Soil Science	3(3-0)
SS 609	Seminar	1(1-0)
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Semester-VIII

General Courses

Course No.	Title	Crd. Hrs.
Agri 602	Study Tours	5(0-10)

Major Courses

Agronomy

Agron 608	Internship	18(0-36)
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Entomology

Ent 608 Internship

20(0-40)

HorticultureHort
608 Internship