

B.Sc Agriculture

Duration: 4 Years (8 Semesters)

Year 1 – Semester I

Subject Code	Subject Name
AGR101	Fundamentals of Agriculture
AGR102	Soil Science
AGR103	Agronomy-I
AGR104	Agricultural Meteorology
AGR105	Communication Skills
AGR106	Practical / Field Work

Course Details:

- Agriculture ka basic introduction our scope
 - Soil formation, types our fertility management
 - Crop production basic principles
 - Weather our climate ka farming par impact
 - Communication skills our reporting
 - Field level practical training
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Semester II

Subject Code	Subject Name
AGR201	Plant Biochemistry
AGR202	Horticulture
AGR203	Entomology

Subject Code	Subject Name
AGR204	Plant Pathology
AGR205	Agricultural Economics
AGR206	Practical

Course Details:

- Plant nutrition our biochemical processes
- Fruits & vegetables cultivation techniques
- Insect pest identification our control
- Plant diseases our management
- Farm economics our cost analysis
- Practical exposure

Year 2 – Semester III

Subject Code	Subject Name
AGR301	Genetics & Plant Breeding
AGR302	Irrigation & Water Management
AGR303	Seed Technology
AGR304	Agricultural Extension
AGR305	Soil Fertility & Nutrient Management
AGR306	Practical

Course Details:

- Genetics our hybrid seed development
- Irrigation methods our water management
- Seed production, certification our storage
- Farmer awareness programs
- Fertilizer use our nutrient management
- Field practices

Semester IV

Subject Code	Subject Name
AGR401	Crop Production Technology
AGR402	Weed Management
AGR403	Agricultural Engineering
AGR404	Livestock Production
AGR405	Environmental Science
AGR406	Practical

Course Details:

- Advanced crop production techniques
- Weed control aur herbicide use
- Farm machinery aur tools
- Dairy aur livestock management
- Environmental protection aur sustainability
- Practical training

Year 3 – Semester V

Subject Code	Subject Name
AGR501	Farming Systems
AGR502	Pest Management
AGR503	Post-Harvest Technology
AGR504	Agri-Business Management

Subject Code	Subject Name
AGR505	Biotechnology
AGR506	Practical

Course Details:

- Integrated farming systems
 - Pest control strategies
 - Storage, grading aur processing
 - Agriculture business planning
 - Biotechnology basics
 - Practical exposure
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Semester VI

Subject Code	Subject Name
AGR601	Organic Farming
AGR602	Soil & Water Conservation
AGR603	Food Technology
AGR604	Rural Development
AGR605	Plant Protection
AGR606	Practical

Course Details:

- Organic farming methods
 - Soil erosion control techniques
 - Food processing basics
 - Rural development schemes
 - Crop protection techniques
 - Field work
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Year 4 – Semester VII

Subject Code	Subject Name
AGR701	Advanced Agronomy
AGR702	Precision Farming
AGR703	Agri . Marketing
AGR704	Entrepreneurship Development
AGR705	Internship

Course Details:

- Advanced crop science concepts
 - Smart farming technologies (precision farming)
 - Agricultural marketing strategies
 - Entrepreneurship our startup development
 - Industry internship
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Semester VIII

Subject Code	Subject Name
AGR801	Research Project
AGR802	Field Training
AGR803	Viva Voce
AGR804	Seminar

Course Details:

- Research project preparation
- Field level training our implementation
- Viva examination
- Seminar our presentation

