

School of Agricultural Sciences & Technology
Course structure of B.Sc. (Hons.) Agriculture

Year I

S. No.	Semester 1		Semester 2	
	Course Title	Credits	Course Title	Credits
1	Fundamentals of Agronomy (3+1)	4	Fundamentals of Genetics (2+1)	3
2	Agricultural Heritage* (1+0)	1	Fundamentals of Entomology (3+1)	4
3	Fundamentals of Plant Biochemistry and Biotechnology (2+1)	3	Fundamentals of Agricultural Economics (2+0)	2
4	Comprehension and Communication Skills in English (1+1)	2	Soil and Water Conservation Engineering (1+1)	2
5	Introduction to Forestry (1+1)	2	Fundamentals of Crop Physiology (1+1)	2
6	Fundamentals of Soil Science (2+1)	3	Fundamentals of Plant Pathology (3+1)	4
7	Fundamentals of Mathematics and statistics (2+0)	2	Fundamentals of Agricultural Extension Education (2+1)	3
8	Agricultural Microbiology (1+1)	2	Fundamentals of Horticulture (1+1)	2
9	Rural Sociology and Educational Psychology (2+0)	2	Communication Skills and Personality Development (1+1)	2
10	Human Values and Ethics (1+0)	1		
11	NSS and Yoga Practices (0+2)	2		
	Total	24	Total	24

Year II

S. No.	Semester 3		Semester 4	
	Course Title	Credits	Course Title	Credits
1	Crop Production Technology – I (<i>Kharif</i> Crops) (1+1)	2	Crop Production Technology –II (<i>Rabi</i> Crops) (1+1)	2
2	Introductory Agrometeorology and Climate Change (1+1)	2	Farming System and Sustainable Agriculture (1+0)	1
3	Environmental studies and Disaster Management (2+1)	3	Manures, Fertilizers and Soil Fertility Management (2+1)	3
4	Fundamentals of Plant Breeding (2+1)	3	Principles of Seed Technology (1+2)	3
5	Agricultural Finance and Co-operation (2+1)	3	Pests of Crops and Stored Grain and their Management (2+1)	3
6	Agri - Informatics (1+1)	2	Agricultural Marketing, Trade and Prices (2+1)	3
7	Farm Machinery and Power (1+1)	2	Statistical Methods (1+1)	2
8	Production Technology for Vegetables and Spices (1+1)	2	Renewable Energy and Green Technology (1+1)	2
9	Livestock and Poultry Management (3+1)	4	Production Technology for Ornamental Crops, MAP and Landscaping (1+1)	2
			Elective 1 (1+2)	3
	Total	23	Total	24

Year III

S. No.	Semester 5		Semester 6	
	Course Title	Credits	Course Title	Credits
1	Practical Crop Production – I (<i>Kharif</i> crops) (0+2)	2	Practical Crop Production –II (<i>Rabi</i> crops) (0+2)	2
2	Geoinformatics, Nanotechnology, Precision Farming (1+1)	2	Rainfed Agriculture and Watershed Management (1+1)	2
3	Crop Improvement-I (<i>Kharif</i> Crops) (1+1)	2	Principles of Organic Farming (1+1)	2
4	Problematic Soils and their Management (2+0)	2	Crop Improvement-II (<i>Rabi</i> crops) (1+1)	2

5	Principles of Integrated Pest and Disease Management (2+1)	3	Intellectual Property Rights (1+0)	1
6	Diseases of Field and Horticultural Crops and their Management -I (2+1)	3	Management of Beneficial Insects (1+1)	2
7	Production Technology for Fruit and Plantation Crops (1+1)	2	Farm Management, Production and Resource Economics (1+1)	2
8	Entrepreneurship Development and Business Communication (1+1)	2	Protected Cultivation and Secondary Agriculture (1+1)	2
9	Principles of Food Science and Nutrition (2+0)	2	Diseases of Field and Horticultural Crops and their Management-II (2+1)	3
10	Elective 2 (2+1)	3	Post-harvest Management and Value Addition of Fruits and Vegetables (1+1)	2
			Elective 3 (2+1)	3
	Total	23	Total	23

Year IV

S. No.	Semester 7		Semester 8	
	Course Title	Credits	Course Title	Credits
1	Rural Agricultural Work Experience (0+10)	10	Experiential Learning Program 1 (0+10)	10
2	Agro-Industrial attachment (0+10)	10	Experiential Learning Program 2 (0+10)	10
	Total	20	Total	20

Educational tour (To be completed during IV & V or VI & VII semester breaks) 2(0+2)

*Remedial Courses

Educational tour= 2

Total credits = 183

Total courses =65

S.No.	Elective courses (Any one to be chosen in IV, V & VI semesters)	ELP courses (All with 0+10 credits)
1	Commercial Plant Breeding 3(1+2)	Agriculture Waste Management
2	Agribusiness Management 3(2+1)	Organic Production Technology
3	Biopesticides and Biofertilizers 3(2+1)	Poultry Production Technology
4	Protected Cultivation 3(2+1)	Seed Production and Technology
5	Hi-tech. Horticulture 3(2+1)	Soil, Plant, Water and Seed Testing
6	Agrochemicals 3(2+1)	Commercial Beekeeping
7	Micro propagation Technologies 3(1+2)	Commercial Sericulture
8	System Simulation and Agro-advisory 3(2+1)	Mushroom Cultivation Technology
9	Weed Management 3(2+1)	Production Technology for Bioagents and Biofertilizers
10	Landscaping 3(2+1)	Commercial Horticulture
11	Agricultural Journalism 3(2+1)	Floriculture and Landscaping
12	Food Safety and Standards 3(2+1)	Food Processing