



JOY UNIVERSITY
semper paratus

**School of Agricultural Sciences
B.Sc (Hons.) Horticulture**

I Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSHC 1101	Fundamentals of Soil Science	2	0	1	5	3
2	BSHC 1102	Plant Propagation and Nursery Management	1	0	1	4	2
3	BSHC 1103	Fundamentals of Horticulture	2	0	1	5	3
4	BSHC 1104	Elementary Plant Biochemistry	1	0	1	4	2
5	BSHC 1105	Introductory Microbiology	1	0	1	4	2
6	BSHC 1106	Botany of Horticultural Crops	1	0	1	4	2
7	BSHC 1107*	Developmental Education	0	0	1	3	1
8	BSHC 1108*	Elementary Mathematics	1*	0	0	1	1*
9	BSHC 1109	Communication Skills and Personality Development	1	0	1	4	2
10	BSHC 1110	Fundamentals of Food Technology	1	0	1	4	2
11	NGC1101**	NCC/ NSS	0	0	1**	1	1**
12	NGC1102**	Physical Education	0	0	1**	1	1**
		TOTAL	11	0	9+2**	40	20+2**

***Remedial course; ** Non-gradual courses**

II Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSHC 1201	Tropical and Subtropical Fruits	2	0	1	5	3
2	BSHC 1202	Tropical and Subtropical Vegetables	2	0	1	5	3
3	BSHC 1203	Introductory Crop Physiology	1	0	1	4	2
4	BSHC 1204	Agro-meteorology and Climate Change	1	0	1	4	2
5	BSHC 1205	Weed and Water Management in Horticultural Crops	2	0	1	5	3
6	BSHC 1206	Principles of Genetics and Cytogenetics	2	0	1	5	3
7	BSHC 1207	Fundamentals of Plant Pathology	2	0	1	5	3
8	BSHC 1208	Fundamentals of Extension Education	1	0	1	4	2
9	BSHC 1209	Soil Fertility and Nutrient Management	1	0	1	4	2
10	BSHC 1210	Livestock and Poultry: Production and Management.	1	0	1	4	2
		TOTAL	15	0	10	45	25

III Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSHC 2301	Fundamentals of Entomology	2	0	1	5	3
2	BSHC 2302	Temperate Vegetable Crops	1	0	1	4	2
3	BSHC 2303	Principles of Plant Breeding	2	0	1	5	3
4	BSHC 2304	Environmental Studies and Disaster Management	2	0	1	5	3
5	BSHC 2305	Temperate Fruit Crops	1	0	1	4	2
6	BSHC 2306	Commercial Floriculture	2	0	1	5	3
7	BSHC 2307	Elementary Plant Biotechnology	1	0	1	4	2
8	BSHC 2308	Economics and Marketing	2	0	1	5	3
9	BSHC 2309	Principles of Quality Seed Production	1	0	1	4	2
10	BSHC 2310	Principles of Landscape Architecture	1	0	1	4	2
		TOTAL	15	0	10	45	25

IV Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSHC 2401	Soil, Water and plant Analysis	1	0	1	4	2
2	BSHC 2402	Spices and Condiments	2	0	1	5	3
3	BSHC 2403	Plantation Crops	1	0	1	4	2
4	BSHC 2404	Breeding of Fruit and Plantation Crops	2	0	1	5	3
5	BSHC 2405	Elementary Statistics and Computer Application	2	0	1	5	3
6	BSHC 2406	Farm Power and Machinery	1	0	1	4	2
7	BSHC 2407	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	2	0	1	5	3
8	BSHC 2408	Dry land Horticulture	1	0	1	4	2
9	BSHC 2409	Organic Farming	2	0	1	5	3
		TOTAL	14	0	9	41	23

V Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSHC 3501	Introduction to Major Field Crops	1	0	1	4	2
2	BSHC 3502	Medicinal and Aromatic crops	2	0	1	5	3
3	BSHC 3503	Introductory Agroforestry	1	0	1	4	2
4	BSHC 3504	Breeding of Vegetable, Tuber and Spice Crops	2	0	1	5	3
5	BSHC 3505	Diseases of Vegetables, Ornamentals and Spice Crops	2	0	1	5	3
6	BSHC 3506	Ornamental Horticulture	1	0	1	4	2
7	BSHC 3507	Growth and Development of Horticultural Crops	1	0	1	4	2
8	BSHC 3508	Nematode pests of horticultural crops and their Management	1	0	1	4	2
9	BSHC 3509	Orchard and Estate Management	1	0	1	4	2
10	BSHC 3510	Potato and tuber crops	1	0	1	4	2
		TOTAL	13	0	10	43	23

VI Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits
1	BSHC 3601	Apiculture, Sericulture and Lac culture	1	0	1	4	2
2	BSHC 3602	Insect Pests of Vegetable, Ornamental and Spice Crops	2	0	1	5	3
3	BSHC 3603	Postharvest Management of Horticultural Crops	1	0	1	4	2
4	BSHC 3604	Seed production Techniques in Horticultural Crops.	2	0	1	5	3
5	BSHC 3605	Processing of Horticultural Crops	1	0	1	4	2
6	BSHC 3606	Horti-Business Management	2	0	0	2	2
7	BSHC 3607	Entrepreneurship Development and Business Management	1	0	1	4	2
8	BSHC 3608	Diseases of fruit, Plantation, Medicinal and Aromatic Crops	2	0	1	5	3
9	BSHC 3609	Precision Farming and Protected Cultivation	2	0	1	5	3
10	NGC 3601**	Information and Communication Technology**	1**	0	1**	4	2**
		TOTAL	14+1**	0	8+1**	42	22+2**

VII Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Days	Credits
1	BSHC 4701	STUDENT READY- Placement in Villages 1. General Orientation and on campus Training by different faculties. 2. Village attachment	0	0	10	1 60	10
2	BSHC 4702	STUDENT READY - Placement in Industries 1. Agro Industrial tie up 2. Plantation Internship	0	0	10	7 15	10
	NGC4701**	Educational tour**	0	0	2**	21	2**
		TOTAL	0	0	20+2**	104 Days	20+2**

VIII Semester

Sl. No.	Course Code	Course Title	L	T	P	C
STUDENT READY:						
The student undergoing ELP may be allowed to register for a maximum two courses in which they have failed but completed requisite percentage of attendance.						
1	BSHC 4801	Experiential Learning programme 1	0	0	10	10
		Commercial Horticulture				
		Processing of Fruits and Vegetables for Value Addition				
		Floriculture and Landscape Architecture				
		Bio-inputs: Bio-fertilizers and Bio-pesticides.				
		Mushroom culture				
		Bee keeping				
2	BSHC 4802	Experiential Learning programme 2	0	0	10	10
		Protective Cultivation of High Value Horticulture Crops				
		Mass Multiplication of Plant and Molecules through Tissue Culture				
		Commercial Ornamental/Medicinal Plant Production.				
		Seed Production in Vegetable Crops				
		Commercial Production of Bio Control Agent				
		Farm advisory on Soil Health Quality and Plant Nutrition.				
		Production and Marketing Organic Media for Kitchen and Roof Garden.				
		TOTAL	0	0	20	20

SEMESTER WISE CREDIT LOAD

S. No.	SEMESTER	L	T	P	C
1.	SEMESTER I	11	0	9+2**	20+2**
2.	SEMESTER II	15	0	10	25
3.	SEMESTER III	15	0	10	25
4.	SEMESTER IV	14	0	9	23
5.	SEMESTER V	13	0	10	23
6.	SEMESTER VI	14+1*	0	8+1*	22+2*
7.	SEMESTER VII	0	0	20+2**	20+2**
8.	SEMESTER VIII	0	0	20	20
	TOTAL	82+1*	0	96+5**	178+6**

**Total credits with Non-Credit courses (6 credits) as recommended by ICAR =
178+6* =184**