

Semester wise distribution of B.Sc.(Hons.)Horticulture degree course curriculum

Semester – I

Sl. No	Course No.	Title of the Course	Credit Hours
1	FRSC-1.1.1	Fundamentals of Horticulture	3(2+1)
2	FCLS-1.3.1	Principles of Landscape Architecture	1(0+1)
3	ENTO-1.6.1	Fundamentals of Entomology	2(1+1)
4	GPBR-1.8.1	Principles of Genetics and Cytogenetics	3(2+1)
5	ASSC-1.9.1	Fundamental of Soil Science	2(1+1)
6	PPBM-1.10.1	Introductory Crop Physiology	2(1+1)
7	PPBM-1.10.2	Introductory Microbiology	2(1+1)
8.	ESSC-1.11.1	Economics and Marketing	3(2+1)
9	ESSC-1.11.2	Information and communication technology	2(1+1)
10	ESSC-1.11.3	Communication Skills and Personality Development	2(1+1)
		Credit load	22(12+10)

Semester – II

S.No	Course No.	Title of the Course	Credit Hours
1	FRSC1.1.2	Tropical and Subtropical Fruits	3(2+1)
2	FRSC-1.1.3	Plant Propagation and Nursery Management	2(1+1)
3	VGSC-1.2.1	Tropical and Subtropical Vegetables	3(2+1)
4	PATH-1.7.1	Fundamentals of Plant Pathology	3(2+1)
5	GPBR-1.8.2	Principles of Plant Breeding	3(2+1)
6	ASSC-1.9.2	Soil Fertility, Soil Chemistry and Soil Taxonomy	3(2+1)
7	PPBM-1.10.3	Elementary Plant Biochemistry	2(1+1)
8	PPBM-1.10.4	Growth and Development of Horticultural Crops	2(1+1)
9	ESSC-1.11.4	Fundamentals of Statistics	3(2+1)
		Credit load	24(15+9)
10	NSS-101	National Service Scheme/National Cadet Corp	1 (0+1)(NC)*
		Total	25(15+10)

NC* - Non credit courses

Semester – III

S.No	Course No.	Title of the Course	Credit Hours
1	FRSC-2.1.1	Temperate Fruit Crops	2(1+1)
2	VGSC-2.2.1	Temperate Vegetable, potato and Tuber Crops	3(2+1)

3	FCLS-2.3.1	Commercial Floriculture	3(2+1)
4	SPMA-2.4.1	Spices and Condiments	3(2+1)
5	SPMA-2.4.2	Plantation Crops	2(1+1)
6	PHTH-2.5.1	Fundamentals of Food Technology	2(1+1)
7	GPBR-2.8.1	Elementary Plant Biotechnology	2(1+1)
8	ASSC-2.9.1	Weed Management in Horticultural Crops	2(1+1)
9	HEES-2.12.1	Environmental studies and Disaster Management	3(2+1)
10	VLPM-2.0.1	Live Stock Management	1(0+1)
		Total	23 (13+10)
	PED-201	Physical and Health Education	1(0+1) (NC)*
		Total	24 (13+11)

NC* - Non credit courses

Semester – IV

S.No	Course No.	Title of the Course	Credit Hours
1	FCLS-2.3.2	Ornamental Horticulture	3(2+1)
2	SPMA-2.4.3	Medicinal and Aromatic crops	3 (2+1)
3	ENTO-2.6.1	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	3(2+1)
4	ENTO-2.6.2	Integrated Pest Management and Nematodes Pest Management	2(1+1)
5	PATH-2.7.1	Diseases of fruit, Plantation, Medicinal and Aromatic Crops	3(2+1)
6	GPBR-2.8.2	Breeding of Fruit and Plantation Crops	3(2+1)
7	ASSC-2.9.2	Water Management in Horticultural Crops	2(1+1)
8	ASSC-2.9.3	Manures, fertilizers and nutrient management	2(1+1)
9	HEES-2.12.2	Surveying, soil and water engineering in horticultural crops	2(1+1)
		Total	23(14+9)

SSemester – V

S.No	Course No.	Title of the Course	Credit Hours
1	FRSC-3.1.1	Dryland horticulture - principles and practices	2(1+1)
2	VGSC-3.2.1	Precision Farming and Protected Cultivation	3(2+1)
3	PHTH-3.5.1	Postharvest Management of Horticultural Crops	3(2+1)
4	ENTO-3.6.1	Insect Pests of Vegetable, Ornamental and Spice Crops	2 (1+1)
5	PATH-3.7.1	Diseases of Vegetables, Ornamentals and Spice Crops	3 (2+1)

6	GPBR-3.8.1	Breeding of Vegetable, Tuber and Spice Crops	3 (2+1)
7	ASSC-3.9.1	Organic Farming in Horticultural Crops	2 (1+1)
8	ASSC-3.9.2	Introduction to Major Field Crops	2 (1+1)
9	ESSC-3.11.1	Fundamentals of Extension Education	2 (1+1)
		Total	22(13+9)

Semester – VI

S.No	Course No.	Title of the Course	Credit Hours
1	FRSC-3.1.2	Orchard and Estate Management	2(1+1)
2	PHTH-3.5.2	Processing of Horticultural Crops	3(1+2)
3	ENTO-3.6.2	Apiculture, Sericulture and Lac culture	2(1+1)
4	GPBR-3.8.2	Seed Production and certification of Vegetable, Tuber and Spice Crops	3(2+1)
5	GPBR-3.8.3	Breeding and Seed Production of Flower and Ornamental Plants	2(1+1)
6	ASSC-3.9.3	Agro-meteorology and Climate Change	2 (1+1)
7	ASSC-3.9.4	Introductory Agro Forestry	2(1+1)
8	ESSC-3.11.2	Horti-Business Management	2(1+1)
9	ESSC-3.11.3	Entrepreneurship Development and International trade	2(1+1)
10	HESS-3.12.1	Farm power, machinery and processing equipment	2(1+1)
		Total	22 (11+11)

Student READY – Rural Entrepreneurship Awareness Development Yojana

* Semester – VII – RHWE / Semester – VIII - ELP

** Semester – VII – ELP (two modules) + Semester VIII - RHWE

S.N	Title of the Course	Credit Hours
1	Student READY – RHWE Placement in Villages / Industries / Tours	0+20
	Total	20 (0+20)

S.No	Course No.	Title of the Course / Modules	Credit Hours
1	(ELP-401)	Commercial Horticulture	10(0+10)
2	(ELP-402)	Protective Cultivation of High Value Horticulture Crops	10(0+10)
3	(ELP-403)	Processing of Fruits and Vegetables for Value Addition	10(0+10)
4	(ELP-404)	Floriculture and Landscape Architecture	10(0+10)
5	(ELP-405)	Bio-inputs: Bio-fertilizers and Bio-pesticides	10(0+10)
6	(ELP-406)	Mass Multiplication of Plant And Molecules through Tissue Culture	10(0+10)
7	(ELP-407)	Mushroom culture	10(0+10)
8	(ELP-408)	Bee keeping	10(0+10)
Any two modules			20 (0+20)

* Batch (50%) of students of IV year will register RHWE in VII Semester and ELP (2 modules) in VIII Semester

* Another (remaining 50%) batch of students of IV year will register ELP (2 modules) in VII Semester and RHWE in VIII Semester.