

K.K.WAGH COLLEGE OF HORTICULTURE, NASHIK

Semester-I

Sr. No.	Course No.	Course Title	Credit
1.	H/FS-111	Fundamentals of Horticulture	2+1=3
2.	H/BOT-112	Principles of Genetics and Cytogenetics	2+1=3
3.	H/STAT-111	Elementary Statistics and Computer Application	2+1=3
4.	H/ECON-111	Economics and Marketing	2+1=3
5.	H/BIOCHEM-111	Elementary Plant Biochemistry	1+1=2
6.	H/BOT-111	Introductory Crop Physiology	1+1=2
7.	H/SSAC-111	Fundamental of Soil Science	1+1=2
8.	H/AGROMET -111	Agro-meteorology and Climate Change	1+1=2
9.	MATH 111/BOT 111	Mathematics / Botany	1+1=2
10.	DEG 111	Democracy, Elections and Good Governance	1+0=3
11.	NCC 111/ NSS 111	NCC/ NSS	0+1=1

Semester –II

Sr. No.	Course No.	Course Title	Credit
1.	H/FS-122	Plant Propagation and Nursery Management	1+1=2
2.	H/ VS-121	Potato and Tuber crops	1+1=2
3.	H/MIBO-121	Introductory Microbiology	1+1=2
4.	H/HORT-121	Growth and Development of Horticultural Crops	1+1=2
5.	H/BOT-123	Principles of plant Breeding	2+1=3
6.	H/SSAC-122	Soil Fertility and Nutrient Management	1+1=2
7.	H/ ENGG-121	Water Management in Horticultural Crops	1+1=2
8.	H/ENTO-121	Fundamentals of Entomology	2+1=3
9.	H/IT-121	Information and Communication technology	1+1=2
10.	H/EVS-121	Environmental Studies and Disaster Management	2+1=3
11.	H/ PHEY- 121	Physical Education and Yoga	0+1=1

Semester –III

Sr. No.	Course No.	Course Title	Credit
1.	H/FS-233	Tropical and Subtropical Fruits	2+1=3
2.	H/FS-234	Temperate Fruit Crops	1+1=2
3.	H/FS-235	Weed Management in Horticultural Crops	1+1=2
4.	H/ VS-232	Tropical and Subtropical Vegetables	2+1=3
5.	H/PHT-231	Fundamentals of Food and Nutrition	1+1=2
6.	H/FL-231	Commercial Floriculture	2+1=3
7.	H/BIOT-231	Elementary plant Biotechnology	1+1=2
8.	H/EXTN-231	Fundamentals Of Extension Education	1+1=2
9.	H/ENTO-232	Fundamentals of Pathology	1+1=2
10.	H/ENTO-232	Insect Pests of Vegetable, Ornamental and Spice Crops	2+1=3

Semester –IV

Sr. No.	Course No.	Course Title	Credit
1.	H/FS-246	Breeding OF Fruit and Plantation crops	2+1=3
2.	H/FS-247	Dry Land Horticulture	1+1=2
3.	H/ VS-243	Spices and Condiments	2+1=3
4.	H/ VS-244	Precision Farming and Protected Cultivation	2+1=3
5.	H/ VS-245	Temperate Vegetables	1+1=2
6.	H/FL-242	Ornamental Horticulture	2+1=3
7.	H/SSAC-243	Soil, Water and Plant analysis	1+1=2
8.	H/ENTO-243	Insect Pests of Fruit, Plantation, Medicinal and Aromatic Crops	2+1=3
9.	H/AHDS-241	Livestock Production and management	1+0=1
10.	H/AGRO-242	Introduction to Major Field Crops	1+1=2

Semester –V

Sr. No.	Course No.	Course Title	Credit
1.	H/FS-358	Plantation Crops	2+1=3
2.	H/FS-359	Orchard and Estate Management	1+1=2
3.	H/ VS-356	Breeding of Vegetables, Tuber and spice Crop	2+1=3
4.	H/FL-353	Principles of Landscape Architecture	0+1=1
5.	H/EXTN-352	Communication Skill and Personality Development	1+1=2
6.	H/AGRO-351	Organic Farming	1+1=2
7.	H/ENTO-354	Apiculture, Sericulture and Lac culture	1+1=2
8.	H/PATH-352	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	2+1=3
9.	H/HORT-352	Introductory Agroforestry	1+1=2
10.	H/MAP-351	Medicinal and Aromatic Crops	2+1=3

Semester –VI

Sr. No.	Course No.	Course Title	Credit
1.	H/ VS-367	Seed Production of Vegetables, Tuber and Spice Crops	2+1=3
2.	H/PHT-362	Postharvest Management of Horticultural Crops	2+1=3
3.	H/PHT-363	Processing of Horticultural Crops	1+2=3
4.	H/FL-364	Breeding and Seed Production of Ornamental Plants	2+1=1
5.	H/ECON-362	Horti-Business Management	2+0=2
6.	H/EXTN-363	Entrepreneurship Development and Business Management	1+1=2
7.	H/ENGG-362	Farm Machinery and Power Engineering	1+1=2
8.	H/PATH-363	Diseases of Vegetables, Ornamentals and Spice Crops	2+1=3
9.	H/PATH-364	Mushroom Production Technology	0+1=1
10.	H/ENTO-365	Nematode Pests of Horticultural crops and their Management	1+1=2

Semester – VII

Rural Horticultural Work Experience Program

Sr. No.	Title of the Course	Credits
1	STUDENT READY - Placement in Industries	0+10
2	STUDENT READY- Placement in Villages	0+10
	Total	20 (0+20)

Placement in Villages

1	Registration, Orientation and Placement	1 week
2	Actual RHWE work in villages	8 weeks
3	Examination	1 week
	Total	10 weeks

Sr. No.	Course No	Course Title	Credits
1	RHWE (H)-471	Fruit, vegetable and flower Production and Post-harvest management and technology of Horticulture crops.	0 + 5 = 5
2	RHWE ECON-471	Economics of Horticultural crops.	0 + 1 = 1
3	RHWE EXTN-471	Extension education & Rural Sociology	0 + 1 = 1
4	RHWE ENT-471	Integrated Pest and disease Management.	0 + 2 = 2
5	RHWE SSAC-471	Soil test & Integrated Nutrient Management	0 + 1 = 1
		Total	0 + 10 = 10

Placement in Industry

Placement in Industries

1	Orientation and Placement	1 week
2	Actual work in Industry	8 weeks
3	Examination	1 week
	Total	10 weeks

Nursery Production & Management

Sr. No.	Course No	Course Title	Credits
1	IND (H)-472	Nursery Production	0 + 5 = 5
2	IND (H)-473	Economics of Horticultural crops.	0 + 1 = 1
3	IND (H)-474	Extension education & Rural Sociology	0 + 1 = 1
4	IND (H)-475	Integrated Pest and disease Management.	0 + 2 = 2
5	IND (H)-476	Soil test & Integrated Nutrient Management	0 + 1 = 1
		Total	0 + 10 = 10

Semester – VIII

STUDENT READY: Experiential Learning program

Sr. No.	Course No.	Title of the Course	Credits
1	HORT EL-481	Commercial Horticulture	
	HORT EL-481/1	Nursery Management of Horticultural Crops	(0+10)=10
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	HORT EL-481/2	Nursery Management of Horticultural Crops	(0+10)=10
2	HORT EL-482	Protective Cultivation of High Value Horticulture Crops	(0+10)=10
3	HORT EL-483	Processing of Fruits and Vegetables for Value Addition	(0+10)=10
4	HORT EL-484	Floriculture and Landscape Architecture	(0+10)=10
		Total	(0+20)=20