

## Semesterwise Courses (Faculty of Horticulture)

### Semester-I

Course No.	Title of the Course	Credit Hour
HORT 101	Fundamentals of Horticulture	3(2+1)
HORT 102	Water Management in Horticultural Crops	2(1+1)
ACSS(H) 103	Fundamentals of Soil Science	2(1+1)
AEN(H) 104	Fundamentals of Entomology	3(2+1)
GPB (H)105	Principles of Genetics and Cytogenetics	3(2+1)
ABC(H) 106	Elementary Plant Biochemistry	3(2+1)
ACGP(H) 107	Introductory Microbiology	2(1+1)
AEX(H) 108	Communication Skills and Personality Development <sup>#</sup>	2(1+1)
NSS(H) 109	NSS/NCC/Physical & Health Education	1(0+1)**
ENG 110	Comprehension & Communication Skills in English	2(1+1)
AST(H) 111	Elementary Mathematics <sup>#</sup> (New)	1(1+0)*
<b>Total</b>		<b>24(15+9)</b>
HORT(A)101	Fundamentals of Horticulture	2(1+1)

\*R- Remedial Course, \*\* NC- Nongradual Course; # Common Course for Ag. & Hort

### Semester-II

Course No.	Title of the Course	Credit Hour
HORT 151	Tropical and Subtropical Fruits	3(2+1)
HORT 152	Tropical and Subtropical Vegetables	3(2+1)
HORT 153	Ornamental Horticulture	3(2+1)
HORT 154	Plant Propagation and Nursery Management	2(1+1)
HORT 155	Growth and Development of Horticultural Crops	2(1+1)
GPB(H)156	Principles of Plant Breeding	3(2+1)
PPH(H) 157	Fundamentals of Crop Physiology	2(1+1)
ACSS(H) 158	Soil Fertility and Nutrient Management	2(1+1)
ABT(H) 159	Fundamentals of Plant Biotechnology (3 <sup>rd</sup> sem.)	2(1+1)
AEC(H) 160	<b>Introductory</b> Economics	2(2+0)
<b>Total</b>		<b>24(15+9)</b>
HORT(E)201	Principles of Horticultural Crops and Plant Protection	2(1+1)

### Semester-III

Course No.	Title of the Course	Credit Hour
HORT 201	Temperate Fruit Crops	2(1+1)
HORT 202	Temperate Vegetable Crops	2(1+1)
HORT 203	Commercial Floriculture	3(2+1)
HORT 204	Principles of Landscape Architecture	2(1+1)
HORT 205	Postharvest Management of Horticultural Crops	3(2+1)
HORT 206	Weed Management in Horticultural Crops	2(1+1)
HORT 207	Fundamentals of Food Technology	2(1+1)
PPA (H) 208	Fundamentals of Plant Pathology	3(2+1)
PPA (H) 209	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	2(1+1)
AEN(H) 210	Non- insect pests of Horticultural Crops and their Management	2(1+1)
EXT(H) 211	Human Values & Ethics	1(1+0)**
<b>Total</b>		<b>24(14+10)</b>
HORT(A)201	Production Technology for Vegetable and Spices	2(1+1)

### Semester-IV

Course No.	Title of the Course	Credit Hour
------------	---------------------	-------------

HORT 251	Dry land Horticulture	2(1+1)
HORT 252	Plantation Crops	3(2+1)
HORT 253	Spices and Condiments	3(2+1)
HORT 254	Breeding of Fruit and Plantation Crops	3(2+1)
HORT 255	Precision Farming and Protected Cultivation	3(2+1)
ACSS (H) 256	Soil, Water and Plant Analysis	2(1+1)
AST (H) 257	Elementary Statistics	3(2+1)
AEN(H) 258	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	3(2+1)
AEG(H) 259	Farm Power and Machinery	2(1+1)
	<b>Total</b>	<b>24(15+9)</b>
HORT(A)251	Production Technology for Fruits and Plantation Crops	2(1+1)

### Semester-V

Course No.	Title of the Course	Credit Hour
HORT 301	Orchard and Estate Management	2(1+1)
HORT 302	Medicinal and Aromatic Crops	3 (2+1)
HORT 303	Potato and tuber Crops	2 (1+1)
HORT 304	Organic Farming	3 (2+1)
HORT 305	Breeding of Vegetable, Tuber and Spice Crops	3 (2+1)
PPA(H) 306	Diseases of Vegetable, Ornamental and Spice Crops	2 (1+1)
AGR (H) 307	Introduction to Major Field Crops	2 (1+1)
AMP(H) 308	Agro-meteorology and Climate Change	2 (1+1)
AST(H) 309	Computer Application and Agri-informatics	2(1+1)
SWAG(H) 310	Introductory Agro forestry	2 (1+1)
	<b>Total</b>	<b>23(13+10)</b>
HORT(A)301	Production Technology for Ornamental Crops, MAP and landscaping	2(1+1)

### Semester-VI

Course No.	Title of the Course	Credit Hour
HORT 351	Seed production of Vegetable, Tuber and Spice Crops	3(2+1)
HORT 352	Processing of Horticultural Crops	3(1+2)
HORT 353	Breeding and Seed Production of Flower and Ornamental Plants	3(2+1)
AEN(H) 354	Insect Pests of Vegetable, Ornamental and Spice Crops	3(2+1)
AEN(H) 355	Apiculture, Sericulture and Lac culture	2(1+1)
AEX(H) 356	Fundamentals of Extension Education	2 (1+1)
AEC(H) 357	Horti-Business Management	3(2+1)
AEC(H) 358	Entrepreneurship Development and Business Management <sup>#</sup>	2(1+1)
ESDM 359	Environmental Studies and Disaster Management <sup>#</sup> (2 <sup>nd</sup> sem.)	2(1+1)
	<b>Total</b>	<b>23(13+10)</b>
HORT(A)351	Post harvest Management and value Addition of Fruits and Vegetables	2(1+1)

### Semester-VII

**STUDENT READY: Rural Horticultural Experience Programme**

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hour</b>
HORT 401	Rural Horticultural Work Experience Programme & Industrial Attachment	20(0+20)
	<b>Total</b>	<b>20(0+20)</b>

### Semester-VIII

#### STUDENT READY: Experiential Learning Programme

<b>Course No.</b>	<b>Title of the Course</b>	<b>Credit Hour</b>
ELP 451	Commercial Horticulture	10(0+10)
ELP 452	Protective Cultivation of High Value Horticulture Crops	10(0+10)
ELP 453	Processing of Fruits and Vegetables for Value Addition	10(0+10)
ELP 454	Floriculture and Landscape Architecture	10(0+10)
ELP 455	Bio-inputs: Bio-fertilizers and Bio-pesticides.	10(0+10)
ELP 456	Mass Multiplication of Plant And Molecules through Tissue Culture	10(0+10)
ELP 457	Mushroom culture	10(0+10)
ELP 458	Bee keeping	10(0+10)
	<b>Total</b>	<b>20 (0+20)</b>