



JOY UNIVERSITY
semper paratus

School of Agricultural Sciences

M.Sc. (Hort.) Floriculture and Landscape Architecture

I Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs /Wk	Credits
1	MSHF 7610	Breeding of flower crops and ornamental plants	2	0	1	5	3
2	MSHF 7611	Production technology of loose flowers	2	0	1	5	3
3	MSHF 7612	Production technology of cut flowers	2	0	1	5	3
4	MSHF 7613	Statistical Methods and Design of Experiments	2	0	1	5	3
5	MSHF 7614	Computer Application for Agricultural Research	1	0	1	4	2
6	MSHF 3615	Research	0	0	1	3	1
7	MSHF 4616	Agricultural Research Ethics and Methodology	0	0	1	3	1
8	MSHF 4617	Technical Writing and Communication Skill	0	0	1	3	1
		TOTAL	9	0	8	33	17

II Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	MSHF 7620	Protected and precision horticulture	2	0	1	5	3
2	MSHF 7621	Ornamental and landscape gardening	2	0	1	5	3
3	MSHF 7622	Value addition in flowers	1	0	1	4	2
4	MSHF 7623	Turfing and turf management	2	0	1	5	3
5	MSHF 7624	Concepts in crop physiology	2	0	1	5	3
6	MSHF 3625	Research	0	0	2	6	2
7	MSHF 4626	Basic Concepts In Laboratory Techniques (0+1)	0	0	1	3	1
8	MSHF 4627	Library and Information Services (0+1)	0	0	1	3	1
		TOTAL	9	0	9	36	18

III Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	MSHF 763#	Minor Course - Related discipline	2	0	1	5	3
2	MSHF 763#	Minor Course - Related discipline	2	0	1	5	3
3	MSHF 3632	Research	0	0	8	24	8
4	MSHF 6633	Seminar	0	0	1	3	1
5	MSHF 4634	Intellectual property and its management in agriculture	1	0	0	1	1
6	MSHF 4635	Disaster management	1	0	0	1	1
7	MSHF 4636	Constitution of India	1	0	0	1	1
		TOTAL	7	0	11	40	18

Minor course

IV Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	MSHF 3640	Research	0	0	9	27	9
2	MSHF 1641	Value Added Course	3	0	0	3	3
		TOTAL	3	0	9	30	12

VAC*- Value added course (as per approval in the Board of Studies)

SEMESTER WISE CREDIT LOAD

S. No.	SEMESTER	L	T	P	C
1.	SEMESTER I	9	0	8	16
2.	SEMESTER II	9	0	9	19
3.	SEMESTER III	7	0	11	18
4.	SEMESTER IV	3	0	9	12
	TOTAL	28	0	37	65

Total credits with Non-Credit courses (7 credits) as recommended by ICAR = 58+7 =65

DISTRIBUTION OF COURSES

MAJOR – 20 CREDITS							
S. No.	Course Code	Courses	L	T	P	Contact Hrs / Wk	Credits
1.	MSHF 7610	Breeding of vegetable crops	2	0	1	5	3
2.	MSHF 7611	Production technology of warm season vegetable crops	2	0	1	5	3
3.	MSHF 7612	Systematics of vegetable crops	2	0	1	5	2
4.	MSHF 7620	Protected and precision horticulture	2	0	1	5	3
5.	MSHF 7621	Production technology of cool season vegetable crops	2	0	1	5	3
6.	MSHF 7622	Organic vegetable production	2	0	1	5	3
7.	MSHF 7623	Principles and processing of vegetable crops	2	0	1	5	3
Total			13	0	7	33	20
MINOR- 9 CREDITS							
1.	MSHF 7624	Concepts in crop physiology	2	0	1	5	3
2.	MSHF 763#	Minor Course - Related discipline	2	0	1	5	3
3.	MSHF 763#	Minor Course - Related discipline	2	0	1	5	3
Total			6	0	3	15	9
SUPPORTING COURSES - 5 CREDITS							
1.	MSHF 7613	Statistical Methods and Design of Experiments	2	0	1	5	3
2.	MSHF 7614	Computer Application for Agricultural Research	1	0	1	4	2
Total			3	0	2	9	5
SEMINAR AND RESEARCH- 21 CREDITS							
1.	MSHF 6633	Seminar	0	0	1	3	1
2.	MSHF 3615	Research	0	0	1	3	1
3.	MSHF 3625	Research	0	0	2	6	2
4.	MSHF 3632	Research	0	0	8	24	8
5.	MSHF 3640	Research	0	0	9	27	9
Total			0	0	21	63	21
Grand Total			22	0	33	120	55

NON-CREDIT COMPULSORY COURSE

S. No.	Course Code	Courses	L	T	P	Contact Hrs / Wk	Credits
1.	MSHF 4616	Agriculture research ethics and methodology	0	0	1	3	1
2.	MSHF 4617	Technical writing and communication skills	0	0	1	3	1
3.	MSHF 4626	Basic concepts in laboratory techniques	0	0	1	3	1
4.	MSHF 4627	Library and information services	0	0	1	3	1
5.	MSHF 4634	Intellectual property and its management in agriculture	1	0	0	1	1
6.	MSHF 4635	Disaster management	1	0	0	1	1
7.	MSHF 4636	Constitution of India	1	0	0	1	1

MINOR COURSES

S. No.	Course Code	Courses	L	T	P	Contact Hrs / Wk	Credits
1.	MSHF 763A	Organic farming and precision agriculture	2	0	1	5	3
2.	MSHF 763B	Dry farming and water shed management	2	0	1	5	3
3.	MSHF 763C	Productive insects and weed killers	2	0	1	5	3
4.	MSHF 763D	Pest management in organic farming	2	0	1	5	3
5.	MSHF 763E	Biological control of crop diseases	2	0	1	5	3
6.	MSHF 763F	Mushroom technology	2	0	1	5	3
7.	MSHF 763G	Microbial inoculant production technology	2	0	1	5	3
8.	MSHF 763H	Industrial microbiology	2	0	1	5	3
9.	MSHF 763I	Soil, Water and air pollution	2	0	1	5	3
10.	MSHF 763J	Soil health management	2	0	1	5	3
11.	MSHF 763K	Concepts of crop physiology	2	0	1	5	3
12.	MSHF 763L	Bio-instrumentation	2	0	1	5	3
13.	MSHF 763M	Plant tissue culture	2	0	1	5	3
14.	MSHF 763N	Germplasm collection, exchange and quarantine	2	0	1	5	3
15.	MSHF 763O	Fundamentals of genetics	2	0	1	5	3
16.	MSHF 763P	Seed production techniques in crops	2	0	1	5	3
17.	MSHF 763Q	Seed quality testing and certification	2	0	1	5	3
18.	MSHF 763R	Propagation and nursery management of horticultural crops	2	0	1	5	3

19.	MSHF 763S	Genetic resources and conservation of fruit crops	2	0	1	5	3
20.	MSHF 763T	Hi - tech vegetable production	2	0	1	5	3
21.	MSHF 763U	Ornamental horticulture	2	0	1	5	3
22.	MSHF 763V	Genetic resources and conservation of medicinal and aromatic plants	2	0	1	5	3
23.	MSHF 763W	Natural resource and environmental economics	2	0	1	5	3
24.	MSHF 763X	Agribusiness analysis	2	0	1	5	3
25.	MSHF 763Y	Agricultural insurance and risk management	2	0	1	5	3
26.	MSHF 763Z	Farm journalism	2	0	1	5	3
27.	MSHF 7631	Introduction to visual communication and advertising technologies	2	0	1	5	3