

DEPARTMENT OF HORTICULTURE

Course offered for M.Sc & Ph.D Programme

Credit for MSc (Ag.) Horticulture Fruit Science

SN		Credit required	Offered in Fruit Science			
			Sem I		Sem II	
			Credit	No. of courses	Credit	No. of courses
1	Major	20	11	4	9	3
2	Minor	8	2	1	6	2
3	Supporting	6	4	1	3	1
	Total	34	17	6	18	6

Course offered for M.Sc (Ag.) Horticulture (Fruit Science)

(Major course)

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	FSC 503*	Propagation and Nursery Management of Fruit Crops	3 (2+1)
2	FSC 504*	Breeding of Fruit Crops	3 (2+1)
3	FSC 506	Canopy Management of Fruit Crops	2 (1+1)
4	FSC 511	Export Oriented Fruit Production	3 (2+1)
		Total Credit	11
	II Sem		
5	FSC 501*	Tropical Fruit Production	3 (2+1)
6	FSC 502*	Sub-Tropical and Temperate Fruit Production	3 (2+1)
7	FSC 510	Organic Fruit Culture	3 (2+1)
		Total credit	09

Minor course

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	Soil 510	Analytical techniques and instrumental methods in soil and plant analysis	2 (0+2)
		Total credit	2
	II Sem		
2	MBB 509	Plant Tissue Culture	3 (2+1)
3	GPB 502	Principles of Plant Breeding	3 (3+0)
		Total credit	6

Supporting Courses

SN	COURSE CODE	COURSE TITLE	CREDIT
I Sem			
1	STAT 502	Statistical Methods In Applied Sciences	4 (3+1)
II Sem			
2	STAT 511	Statistics - II Experimental Design	3 (2+1)
Total credit			7

Credit for MSc (Ag.) Horticulture Vegetable Science

SN		Credit required	Offered in Vegetable Science			
			Sem I		Sem II	
			Credit	No. of courses	Credit	No. of courses
1	Major	20	12	5	9	3
2	Minor	8	2	1	6	2
3	Supporting	6	4	1	3	1
	Total	34	18	7	18	6

Major course

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	VSC 502*	Production Tech of warm season vegetable crops	3 (2+1)
2	VSC 503*	Growth and Development of Vegetable Crops	3 (2+1)
3	VSC 507	Protected Cultivation of Vegetable Crops	2 (1+1)
4	VSC 511	Organic Vegetable Production	2 (1+1)
5	VSC 513	Processing of Vegetable	2 (1+1)
		Total Credit	12
	II Sem		
6	VSC 501*	Production Tech. of cool season veg. crops	3 (2+1)
7	VSC 504*	Principles of Vegetable Breeding	3 (3+0)
8	VSC 512	Production of Spice Crops	3 (2+1)
		Total credit	09

Minor course

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	Soil 510	Analytical techniques and instrumental methods in soil and plant analysis	2 (0+2)
		Total credit	2
	II Sem		
2	MBB 509	Plant Tissue Culture	3 (2+1)
3	GPB 509	Hybrid breeding	3 (2+1)
		Total credit	6

Supporting Courses

SN	COURSE CODE	COURSE TITLE	CREDIT
I Sem			
1	STAT 502	Statistical Methods In Applied Sciences	4 (3+1)
II Sem			
2	STAT 511	Statistics - II Experimental Design	3 (2+1)
Total credit			7

Credit and No. of courses for PhD Horticulture Fruit Science

SN		Credit required	Offered in Vegetable Science			
			Sem I		Sem II	
			Credit	No. of courses	Credit	No. of courses
1	Major	12	6	2	6	2
2	Minor	6	2	1	5	2
3	Supporting	5	3	1	3	1
	Total	23	11	4	14	5

Course offered for Ph.D Horticulture Fruit Science (Major course)

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	FSC 602	Modern Trends in Fruit Production	3 (2+1)
2	FSC 606	Abiotic Stress Management in Fruit Crops	3 (2+1)
		Total Credit	6
	II Sem		
5	FSC 601	Innovative Approaches in Fruit Breeding	3 (2+1)
6	FSC 607	Biodiversity and Conservation of Fruit Crops	3 (2+1)
		Total credit	6

Minor Courses

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	SOILS 602	Modern concept of Soil fertility	2 (2+0)
	II Sem		
2	PP 606	Global climate change and crop response	2 (2+0)
3	PP 607	Physiological and molecular aspects of source sink capacity for enhancing yield	3 (3+0)
		Total credit	7

Supporting

SN	COURSE CODE	COURSE TITLE	CREDIT
	I Sem		
1	STAT 521	Applied Regression Analysis	3 (2+1)
	II Sem		
2	STAT 522	Data Analysis Using Statistical Packages	3 (2+1)
		Total credit	6

Credit and No. of courses for PhD Horticulture Vegetable Science

SN		Credit required	Offered in Vegetable Science			
			Sem I		Sem II	
			Credit	No. of courses	Credit	No. of courses
1	Major	12	6	2	6	2
2	Minor	6	2	1	5	2
3	Supporting	5	3	1	3	1
	Total	23	11	4	14	5

Course offered for Ph.D Horticulture
Vegetable Science (Major course)

SN	COURSE CODE	COURSE TITLE	CREDIT
I Sem			
1	VSC 601	Recent Trends in Vegetable Production	3 (3+0)
2	VSC 603	Abiotic Stress Management in Vegetable Crops	3 (2+1)
		Total Credit	6
II Sem			
5	VSC 602	Advances in Breeding of Vegetable Crops	3 (3+0)
6	VSC 604	Seed Certification, Processing and Storage of Vegetable Crops	3 (2+1)
		Total credit	6

Minor

SN	COURSE CODE	COURSE TITLE	CREDIT
I Sem			
1	SOILS 602	Modern concept of Soil fertility	2 (2+0)
II Sem			
2	PP 606	Global climate change and crop response	2 (2+0)
3	PP 607	Physiological and molecular aspects of source sink capacity for enhancing yield	3 (3+0)
Total credit			7

Supporting

SN	COURSE CODE	COURSE TITLE	CREDIT
I Sem			
1	STAT 521	Applied Regression Analysis	3 (2+1)
II Sem			
2	STAT 522	Data Analysis Using Statistical Packages	3 (2+1)
Total credit			6