

SR UNIVERSITY							
Department of Genetics and Plant Breeding							
R23 Course Structure - M.Sc. (Agriculture) in Genetics and Plant Breeding							
I SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	GPB 501	Principles of Genetics	3 (2+1)	2	0	2	3
2	GPB 502	Principles of Plant Breeding	3 (2+1)	2	0	2	3
3	GPB 506	Molecular Breeding and Bioinformatics	3 (2+1)	2	0	2	3
4	GPB 511	Crop Breeding-I (<i>Kharif</i> Crops)	3 (2+1)	2	0	2	3
5	PP 503	Stresses	3 (2+1)	2	0	2	3
6	STAT 511	Experimental Designs	3 (2+1)	2	0	2	3
7	PGS 501	Basic Concepts in Laboratory Techniques	1(0+1)	0	0	2	1
8	PGS 503	Intellectual Property and its management in Agriculture	1(1+0)	1	0	0	1
Total			20 (13+7)	13	0	14	20
II SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	GPB 503	Fundamentals of quantitative genetics	3(2+1)	2	0	2	3
2	GPB 504	Varietal development and maintenance breeding	2(1+1)	1	0	2	2
3	GPB 516	Breeding for stress resistance and climate change	3(2+1)	2	0	2	3
4	PP 502	Plant developmental biology-physiological and molecular basic	2(2+0)	2	0	0	2
5	PP 508	Morphogenesis, tissue culture and transformation	3(2+1)	2	0	2	3
6	STAT 522	Data analysis using statistical package	3(2+1)	2	0	2	3
7	PGS 501	Library and information services	1(0+1)	0	0	2	1
8	PGS 502	Technical writing and communication skills	1(0+1)	0	0	2	1
9	PGS 505	Agricultural research ethics and rural development programs	1(1+0)	1	0	0	1
10	GPB 591	Master's Seminar	1(1+0)	1	0	0	1
Total			20 (13+7)	13	0	14	20
III SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	GPB 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
IV SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	GPB 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
Total Credits			70				70

SR UNIVERSITY							
Department of Agronomy							
R23 Course Structure - M.Sc. (Agriculture) in Agronomy							
I SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	AGRON 503	Principles and practices of Weed Management	3(2+1)	2	0	2	3
2	AGRON 501	Modern Concepts in Crop Production	3(3+0)	3	0	0	3
3	AGRON 512	Dryland Farming and Watershed Management	3(2+1)	2	0	2	3
5	SOIL 501	Soil Physics	3(2+1)	2	0	2	3
6	SOIL 502	Soil fertility and fertilizer use	3(2+1)	2	0	2	3
7	STAT 511	Experimental Designs	3(2+1)	2	0	2	3
8	PGS 501	Basic Concepts in Laboratory Techniques	1(0+1)	0	0	2	1
9	PGS 503	Intellectual Property and its management in Agriculture	1(1+0)	1	0	0	1
Total			20(14+6)	14	0	12	20
II SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	AGRON 502	Principles and practices of soil fertility and nutrient management	3(2+1)	2	0	2	3
2	AGRON 504	Principles and practices of water management	3(2+1)	2	0	2	3
3	AGRON 506	Agronomy of major cereals and pulses	2(2+0)	2	0	0	2
4	AGRON 513	Principles and practices of organic farming	3(2+1)	2	0	2	3
5	SOIL 501	Management of problematic soils and water	2(1+1)	1	0	2	2
6	BIOCHEM 502	Intermediary metabolism	3(3+0)	3	0	0	3
7	PGS 501	Library and information services	1(0+1)	0	0	2	1
8	PGS 502	Technical writing and communication skills	1(0+1)	0	0	2	1
9	PGS 505	Agricultural research ethics and rural development programs	1(1+0)	1	0	0	1
10	AGRON 550	Master's Seminar	1(1+0)	1	0	0	1
Total			20(14+6)	14	0	12	20
III SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	AGRON 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
IV SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	AGRON 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
Total Credits			70				70

SR UNIVERSITY							
Department of Horticulture							
R23 Course Structure - M.Sc. (Horticulture) in Vegetable Science							
I SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	VSC 501	Production of cool season vegetable crops	3(2+1)	2	0	2	3
2	VSC 503	Growth and Development of Vegetable Crops	3(2+1)	2	0	2	3
3	VSC 507	Protected cultivation of vegetable crops	3(2+1)	2	0	2	3
4	VSC 514	Post harvest management of vegetable crops	3(2+1)	2	0	2	3
5	GPB 502	Principles of Plant Breeding	3(2+1)	2	0	2	3
6	STAT 511	Experimental Designs	3(2+1)	2	0	2	3
7	PGS 504	Basic Concepts in Laboratory Techniques	1(0+1)	0	0	2	1
8	PGS 503	Intellectual Property and its management in Agriculture	1(1+0)	1	0	0	1
Total			20(13+7)	13	0	14	20
II SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	VSC 502	Production of warm season vegetable crops	3(2+1)	2	0	2	3
2	VSC 504	Principles of Vegetable breeding	3(2+1)	2	0	2	3
3	VSC 511	Organic vegetable production	2(1+1)	1	0	2	2
4	VSC 505	Breeding of self pollinated vegetable crops	3(2+1)	2	0	2	3
5	VSC 506	Breeding of cross pollinated vegetable crops	3(2+1)	2	0	2	3
6	PHM 501	Post harvest management of horticultural produce	3(2+1)	2	0	2	3
7	PGS 501	Library and information services	1(0+1)	0	0	2	1
8	PGS 502	Technical writing and communication skills	1(0+1)	0	0	2	1
9	PGS 505	Agricultural research ethics and rural development programs	1(1+0)	1	0	0	1
10	VSC 591	Master's Seminar	1(1+0)	1	0	0	1
Total			21(13+8)	13	0	16	21
III SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	VSC 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
IV SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	VSC 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
Total Credits			71				71

SR UNIVERSITY							
Department of Agricultural Extension							
R23 Course Structure - M.Sc. (Agriculture) in Agricultural Extension							
I SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	EXT 501	Extension Landscape	2(2+0)	2	0	0	2
2	EXT 502	Applied Behaviour Change	3(2+1)	2	0	2	3
3	EXT 503	Organizational Behaviour and Development	3(2+1)	2	0	2	3
4	EXT 505	Capacity Development	3(2+1)	2	0	2	3
5	AEC 507	Agriculture Finance and Project Management	3(2+1)	2	0	2	3
6	STAT	Statistical Methods for Applied/ Social Sciences	3(2+1)	2	0	2	3
7	PGS 503	Intellectual Property and its management in Agriculture	1(1+0)	1	0	0	1
8	PGS 504	Basic Concepts in Laboratory Techniques	1(0+1)	0	0	2	1
			19(13+6)	13	0	12	19
II SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	EXT-504*	Research Methodology in Extension	3(2+1)	2	0	2	3
2	EXT-506*	ICTs for Agricultural Extension and Advisory Services	3(2+1)	2	0	2	3
3	EXT-507*	Evaluation and Impact Assessment	3(2+1)	2	0	2	3
4	AEC-504	Macro Economics and policy	2(2+0)	2	0	0	2
5	AEC-505	Econometrics	3(2+1)	2	0	2	3
6	STAT	Computer Applications for Agricultural Extension Research	3(2+1)	2	0	2	3
7	PGS 501	Library and Information Services	1(0+1)	0	0	2	1
8	PGS 502	Technical Writing and Communications Skills	1(0+1)	0	0	2	1
9	PGS	Agricultural Research, Research Ethics and Rural Development Programmes	1(1+0)	1	0	0	1
10	EXT 591	Master's Seminar	1(1+0)	1	0	0	1
Total			21(14+7)	14	0	14	21
III SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	EXT 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
IV SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	EXT 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
Total Credits			70				70

SR UNIVERSITY							
Department of Entomology							
R23 Course Structure - M.Sc. (Agriculture) in Entomology							
I SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	ENT 501	Insect Morphology	3 (2+1)	2	0	2	3
2	ENT 502	Insect Anatomy & Physiology	3 (2+1)	2	0	2	3
3	ENT 505	Biological control of Insect Pest and Weeds	3 (2+1)	2	0	2	3
4	PL.PATH 501	Mycology	3 (2+1)	2	0	2	3
5	PL PATH 502	Plant virology	3 (2+1)	2	0	2	3
6	STAT 511	Experimental designs	3(2+1)	2	0	2	3
7	PGS 501	Basic Concepts in Laboratory Techniques	1(0+1)	0	0	2	1
8	PGS 503	Intellectual Property and its management in Agriculture	1(1+0)	1	0	0	1
Total			20(13+7)	13	0	14	20
II SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	ENT 504	Insect Ecology	3 (2+1)	2	0	2	3
2	ENT 506	Toxicology of Insecticides	3 (2+1)	2	0	2	3
3	ENT 508	Concept of Integrated Pest Management	2(2+0)	2	0	0	2
4	ENT 509	Pest of Field crops	3 (2+1)	2	0	2	3
5	PL PATH 506	Techniques in Detection and Diagnosis of plant diseases	2 (0+2)	0	0	4	2
6	STAT 522	Data analysis using statistical packages	3(2+1)	2	0	2	3
7	PGS 501	Library and information services	1(0+1)	0	0	2	1
8	PGS 502	Technical writing and communication skills	1(0+1)	0	0	2	1
9	PGS 505	Agricultural research ethics and rural development programs	1(1+0)	1	0	0	1
10	ENT 591	Master's Seminar	1(1+0)	1	0	0	1
Total			20(12+8)	12	0	16	20
III SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	ENT 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
IV SEM							
S.No.	Course Code	Course	Credit hours	Hours / Week			
				L	T	P/D	C
1	ENT 599	Master's Research	15	0	0	30	15
Total			15	0	0	30	15
Total Credits			70				70