

B.Sc. (Agriculture) – 2015 Syllabus

Semester wise distribution of courses

I Year I Semester

S.No.	Course No.	Course Title	Credit Hours
1.	AGR 101	Principles of Agronomy and Agricultural Heritage	1+1
2.	COM 111	Fundamentals of Information Technology	1+1
3.	MAT 111	Applied Mathematics	1+1
4.	SAC 101	Principles of Analytical Chemistry	1+1
5.	PBG 101	Introduction to Agricultural Botany	1+1
6.	ENG 101	English for effective communication	0+1
7.	AEX 101	Fundamentals of Rural Sociology and Educational Psychology	1+1
8.	NSS/NCC 101	National Service Scheme/ National Cadet Corps	0+1
9.	PED 101	Physical Education	0+1
10.	PED 102	Yoga for Human Excellence	0+1
Total			6+10=16

I Year II Semester

S. No.	Course No.	Course Title	Credit Hours
1.	AGR 102	Fundamentals of Agricultural Meteorology	1+1
2.	BIC 101	Fundamentals of Biochemistry	2+1
3.	CRP 101	Fundamentals of Plant Physiology	2+1
4.	AEC 101	Principles of Economics	1+1
5.	SER 121	Principles and practices of sericulture	1+1
6.	ENS 101	Principles of Environmental Sciences	1+1
7.	FSN 111	Principles of Food Science and Nutrition	1+1
8.	FOR 111	Agro Forestry	1+ 1
9.	TAM 101	இலக்கியங்களில் வேளாண்மையும் அறிவியல் தமிழ் பயனாக்கமும்	0+1
	ENG 103	Development Education	
10.	NSS/ NCC 101	National Service Scheme/ National Cadet Corps	Regd. in I Sem
11.	PED 101	Physical Education	
12.	PED 102	Yoga for Human Excellence	
Total			10+9=19

II year III Semester

S.No.	Course No.	Course Title	Credit Hours
1.	AGR 201	Weed Management	1+1
2.	AEN 201	Fundamentals of Entomology	2+1
3.	AGR 202	Irrigation Management	1+1
4.	PAT 201	Fundamentals of Plant Pathology	2+1
5.	SAC 201	Fundamentals of Soil Science	2+1
6.	AMP 201	Livestock and Poultry Production Management	2+1
7.	AGM 201	Fundamentals of Microbiology	2+1
8.	AEX 201	Dimensions of Agricultural Extension	1+1
9.	FMP 211	Farm Power and Machinery	1+1
10.	AEC 201	Production Economics and Farm Management	1+1
11.	NSS/NCC 101	National Service Scheme/ National Cadet Corps	Regd. in I Sem
12.	PED 101	Physical Education	
Total			15+10=25

II year IV Semester

S.No.	Course No.	Course Title	Credit Hours
1.	AGR 203	Agronomy of field Crops- I	1+1
2.	HOR 211	Production Technology of Fruits and Plantation Crops	2+1
3.	SST 201	Principles and Practices of Seed Production	1+1
4.	SWE 211	Fundamentals of Soil and Water Conservation Engineering	2+1
5.	STA 211	Applied Statistics	1+1
6.	ERG 211	Renewable Energy	1+0
7.	AGR 204	Study Tour	0+1
8.	AEN 202	Economic Entomology and Principles of Pest Management	2+1
9.	PBG 201	Principles of Genetics and Cytogenetics	2+1
10.	SAC 202	Soil Resource Inventory and Problem Soils	1+1
11.	ANM 201	Introductory Nematology	1+1
12.	NSS/NCC 101	National Service Scheme/ National Cadet Corps	Regd. in I Sem
13.	PED 101	Physical Education	
Total			14+10=24

III year V semester

S.No.	Course No.	Course Title	Credit Hours
1.	AGR 301	Crop Production-I	0+1
2.	AGR 302	Agronomy of field Crops- II	1+1
3.	SAC 301	Soil Fertility, Fertilizers and Manures	2+1
4.	AEN 301	Pests of Field Crops and their Management	1+1
5.	PAT 301	Diseases of Field Crops and Their Management	1+1
6.	ABT 301	Plant Biotechnology	2+1
7.	PBG 301	Principles and Methods of Plant Breeding	2+1
8.	AGM 301	Soil and Applied Microbiology	1+1
9.	AEC 301	Agricultural Marketing, Trade and Prices	1+1
10.	ARM 301	Agribusiness Management and Entrepreneurship	1+1
11.	SST 301	Seed Quality Regulation and Storage	1+1
12.	NCC 101	National Cadet Corps	Regd. in I Sem
		Total	13+11=24

III year VI semester

S.No.	Course No.	Course Title	Credit Hours
1.	AGR 304	Principles and practices of cropping and Farming Systems	1+1
2.	AGR 303	Crop Production – II	0+1
3.	SAC 302	Crop and Pesticide Chemistry	2+1
4.	AEX 301	Extension Methodologies and Transfer of Agricultural Technology	1 +1
5.	AEN 302	Pests of Horticultural Crops and their Management	1+1
6.	NST 301	Fundamentals and Applications of nanotechnology	1+0
7.	FPE 301	Post Harvest and Food Engineering	1+1
8.	ENS 301	Environmental Pollution and Management	1+1
9.	HOR 311	Production Technology of Vegetables and Spice crops	2+1
10.	ENG 301	Soft skills for Employability	0+1
11.	EXP 301	Experiential Learning - I	0+3
12.	PAT 301	Principles of plant disease management	1+1
13.	NCC 101	National Cadet Corps	Regd. in I Sem
		Total	11+13=24

IV year VII semester

S.No	Course No.	Course Title	Credit Hours
1.	AEX 401	Rural Agricultural Work Experience - RAWE (VSP+ADA+NGO+INDUSTRY)	0+5
2.	APW 401	Project Work	0+2
3.	AEX 402	All India Tour	0+1
		Total	0+8=8

IV year VIII semester

S. No.	Course No.	Course Title	Credit Hours
1.	AGR 401	Organic Farming	1+1
2.	PBG 401	Breeding Field and Horticultural crops	2+1
3.	PAT 401	Diseases of Horticultural crops and their management	2+1
4.	AEC 401	Agricultural Finance, Banking and Co-operation	1+1
5.	HOR 411	Production Technology of Flowers, Medicinal and Aromatic Crops	2+1
6.	EXP 401	Experiential Learning – II	0+3
7.	ENS 401	Climate Change and Disaster Management	2+0
8.		Optional Course	Minimum of 2 credits
9.	PRJ 401	Project Work	Registered in VII Semester
		Total	11+9= 20