

# B.Sc. (Agriculture): 2011 Syllabus

## I Year I Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 101	Principles of Agronomy and Agricultural Heritage	1+1	Agronomy
2.	AGM 101	Agricultural Microbiology	2+1	Agrl. Microbiology
3.	COM 111	Fundamentals of Information Technology	1+1	PS & IT
4.	MAT 111	Applied Mathematics	1+1	PS & IT
5.	SAC 101	Principles of Analytical Chemistry	1+1	SS & AC
6.	PBG 101	Introduction to Agricultural Botany	1+1	PB & G
7.	ENG 101	English for effective communication	0+1	English
8.	NSS/NCC 101	National Service Scheme / National Cadet Corps	0+1	NSS/NCC
9.	PED 101	Physical Education	0+1	Physical Education
		<b>Total</b>	<b>7+9=16</b>	

## I Year II Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 102	Fundamentals of Agricultural Meteorology	1+1	Agronomy
2.	BIC 101	Fundamentals of Biochemistry	2+1	Biochemistry
3.	CRP 101	Crop Physiology	2+1	Crop Physiology
4.	PBG 102	Principles of Genetics	2+1	PB & G
5.	AEX 101	Dimensions of Agricultural Extension	1+1	Agrl. Extension
6.	AEC 101	Principles of Agricultural Economics	1+1	Agrl. Economics
7.	HOR 111	Fundamentals of Horticulture	1+1	Horticulture
8.	ENS 101	Principles of Environmental Sciences	1+1	Environmental Sciences
9.	FSN 111	Principles of food science and processing	1+1	Home Science
		<b>Total</b>	<b>12+9=21</b>	

## II Year III Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 201	Weed Management	1+1	Agronomy
2.	AGR 202	Irrigation Management	1+1	Agronomy
3.	AEN 201	Fundamentals of Entomology	2+1	Agricultural Entomology
4.	PAT 201	Fundamentals of Plant Pathology	2+1	Plant Pathology
5.	SAC 201	Fundamentals of Soil Science	2+1	SS & AC
6.	AMP 201	Livestock and Poultry Production Management	2+1	Animal Husbandry
7.	AEX 201	Fundamentals of Rural Sociology and Educational Psychology	1+1	Agrl. Extension
8.	FMP 211	Farm Power and Machinery	1+1	Farm Machinery
9.	ANM 201	Introductory Nematology	1+1	Nematology
		<b>Total</b>	<b>13+9=22</b>	

## II Year IV Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 203	Agronomy of field Crops- I	1+1	Agronomy
2.	HOR 211	Production Technology of Fruits and Plantation Crops	2+1	Horticulture
3.	SST 201	Principles of Seed Technology	2+1	SS& T
4.	SWC 211	Fundamentals of Soil and Water Conservation Engineering	2+1	Soil and Water Conservation
5.	FOR 211	Forest Resource Management	1+ 1	Forestry
6.	ARM 201	Fundamentals of Agribusiness Management	1+1	Agrl. Economics / Agrl. and Rural Management
7.	ABT 201	Principles of Biotechnology	1+1	Agricultural Biotechnology
8.	STA 211	Applied Statistics	1+1	PS & IT
9.	ERG 211	Renewable Energy	1+0	Bioenergy
10.	AGR 204	Study Tour I	0+1	Agronomy
11.	SER 201	Sericulture Technologies	1+1	Sericulture
		<b>Total</b>	<b>13+10=23</b>	

### III Year V Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 301	Crop Production	0+1	Agronomy
2.	AGR 302	Agronomy of field Crops- II	1+1	Agronomy
3.	AGR 303	Study Tour II	0+1	Agronomy
4.	SAC 301	Crop and Pesticide Chemistry	2+1	SS & AC
5.	AEN 301	Pests of Field Crops and their Management	2+1	Agrl. Entomology
6.	PAT 301	Diseases of Field Crops and Their Management	2+1	Plant Pathology
7.	HOR 311	Production Technology of Vegetables and Spice crops	2+1	Horticulture
8.	NST 301	Fundamentals and Applications of nanotechnology	1+0	Nano Technology
9.	AEC 301	Production Economics and Farm Management	1+1	Agrl. Economics
10.	ABT 301	Applied Plant Biotechnology	1+1	Biotechnology
11.	FPE 301	Post Harvest and Food Engineering	1+1	FPE
<b>Total</b>			<b>13+10=23</b>	

### III Year VI Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AGR 304	Principles and practices of cropping and Farming System	2+1	Agronomy
2.	SAC 302	Soil Resource Inventory and Problem Soils	2 + 1	SS & AC
3.	PBG 301	Principles and Methods of Plant Breeding	2 + 1	PB & G
4.	HOR 312	Production Technology of Flower Crops, Medicinal and Aromatic Crops	2+1	Horticulture
5.	AEX 301	Extension Methodologies and Transfer of Agricultural Technology	1 +1	Agrl. Extension
6.	AEC 302	Agricultural Marketing, Trade and Prices	1 +1	Agrl. Economics
7.	ENG 301	Soft skills for Employability	0+1	English
8.	EXP 301	Experiential Learning - 1	0+5	
<b>Total</b>			<b>10+12=22</b>	

#### IV Year VII Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	AEX 401	Rural Agricultural Work Experience - RAWE (VSP+ADO+NGO+INDUSTRY)	0 + 6	Agri. Extension
2.	APW 401	Project Work	0 + 4	
3.	AEX 402	All India Study Tour	0 +1	Agri. Extension
<b>Total</b>			<b>0+11=11</b>	

#### IV Year VIII Semester

Sl. No	Course No.	Course Title	Credit Hours	Department
1.	AGR 401	Organic Farming	1+1	Agronomy
2.	PBG 401	Breeding Field Crops and Horticulture crops	2+1	PB & G
3.	SAC 401	Nutrient Management and Fertilizer Technology	2+1	SS & AC
4.	AEN 401	Pests of Horticultural Crops and their Management	2+1	Agri. Entomology
5.	PAT 401	Diseases of Horticultural crops and their management	2+1	Plant Pathology
6.	AEC 401	Agricultural Finance, Banking and Co-operation	1+1	Agri. Economics
7.	TAM 401 /ENG 401	,yf;fpa';fspy; ntshz;ika[k; mwptpay; jkpH; gadhf;fKk; / Development Education – for non Tamil students	0+1	Tamil / English
8.	EXP 401	Experiential Learning – II	0+5	
<b>Total</b>			<b>10+12=22</b>	

#### ABSTRACT

#### Semester wise Distribution of Courses for B. Sc. (Agriculture)

Semester	Number of courses	Credit Hours
I	9	7+9=16
II	9	12+9=21
III	9	13+9=22
IV	11	13+10=23
V	11	13+10=23
VI	8	10+12=22
VII	3	0+11=11
VIII	8	10+12=22
<b>Total</b>	<b>68</b>	<b>78+82=160</b>