

B.Sc. (Sericulture): 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	Agri. 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 unit
9.	PED 101	Physical Education	0+1	Physical Education
10	SER 101	History, Development and Organization of Sericulture Industry	1+0	Sericulture
11	SER 102	Mulberry Cultivation Techniques	1+1	Sericulture
		Total	9+10=19	

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
2.	CRP 101	Crop Physiology	2+1	Crop Physiology
3.	PBG 102	Principles of Genetics	2+1	PB &G
4.	AEC 101	Principles of Agricultural Economics	1+1	Agri. Economics
5.	HOR 111	Fundamentals of Horticulture	1+1	Horticulture
6.	ENS 101	Principles of Environmental Sciences	1+1	Environmental Sciences
7.	FSN 111	Principles of food science and processing	1+1	Home Science
8.	SER 103	Mulberry Silkworm Rearing	2+1	Sericulture
		Total	13+9=22	

II Year III Semester

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

II Year IV Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	SWC 211	Fundamentals of Soil and Water Conservation Engineering	2+1	SWC
2.	FOR 211	Forest Resource Management	1+1	Forestry
3.	ARM 201	Fundamentals of Agribusiness Management	1+1	ARM
4.	ABT 201	Principles of Biotechnology	1+1	Agrl. Biotechnology
5.	STA 211	Applied Statistics	1+1	PS & IT
6.	SER 202	Study Tour I	0+1	Sericulture
7.	SER 203	Genetic Resources of Mulberry and Silkworm	1+1	Sericulture
8.	SER 204	Systematics, morphology and physiology of silkworms	2+1	Sericulture
9.	SER 205	Diseases of host plants of silkworms	2+1	Sericulture
10.	SER 206	Pests of host plants of silkworms	2+1	Sericulture
		Total	13+10=23	

III Year V Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	NST 301	Fundamentals and Applications of nanotechnology	1+0	Nano Technology
2.	ABT 301	Applied Plant Biotechnology	1+1	Biotechnology
3.	SER 301	Study Tour II	0+1	Sericulture
4.	SER 302	Non Mulberry Silkworms rearing technology	2+1	Sericulture
5.	SER 303	Silk Reeling	2+1	Sericulture
6.	SER 304	Pests of silkworms and their management	1+1	Sericulture
7.	SER 305	Diseases of silkworms and their management	2+1	Sericulture
8.	SER 306	Mulberry production and management	0+2	Sericulture
9.	SER 307	Silkworm rearing and management	0+2	Sericulture
		Total	9+10=19	

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.	AEX 301	Extension Methodologies and Transfer of Agricultural Technology	1+1	Agrl. Extension
3.	ARM 304	Fundamentals of Financial Management	1+1	ARM
4.	TIP 301	Intellectual Property Rights in AgriBusiness Management	1+0	Trade and IP
5.	ENG 301	Soft skills for Employability	0+1	English
6.	EXP 301	Experiential Learning - 1	0+5	
7.	SER 308	Genetics and breeding of host plants of silkworms	2+1	Sericulture
8.	SER 309	Silk throwing, dyeing and weaving	1+1	Sericulture
9.	SER 310	Planning and Management of Silk Reeling Industry	1+1	Sericulture
10.	SER 311	Silk Marketing, Trade and Prices	1+1	Sericulture / Agrl. Economics
		Total	10+13=23	

IV Year VII Semester

Sl. No.	Course No.	Course Title	Credit Hours	Department
1.	SER 401	Rural Agricultural Work Experience - RAWE (VSP+ADO+NGO+INDUSTRY)	0 + 6	Sericulture
2.	SPW 401	Project Work	0 + 4	
3.	SER 402	All India Study Tour	0 +1	Sericulture
		Total	0+11=11	

IV Year VIII Semester

Sl. No	Course No.	Course Title	Credit Hours	Department
1.	SAC 401	Nutrient Management and Fertilizer Technology	2+1	SS & AC
2.	TAM 401 /ENG 401	,yf;fpa';fspy; ntshz;ika[k; mwptpay; jkpH; gadhf;fKk; / Development Education – for non Tamil students	0+1	Tamil / English
3.	EXP 401	Experiential Learning – II	0+5	
4.	SER 403	Sustainable moriculture	2+0	Sericulture
5.	SER 404	Bivoltine Sericulture Technology	1+1	Sericulture
6.	SER 405	By Products in Sericulture Industry	1+1	Sericulture
7.	SER 406	Silkworm Seed Technology	2+1	Sericulture
8.	SER 407	Silkworm Genetics and Breeding	2+1	Sericulture
		Total	10+11=21	

ABSTRACT

Semester wise Distribution of Courses for B. Sc. (Sericulture)

Semester	Number of courses	Credit Hours
I	11	9+10=19
II	8	13+9=22
III	9	13+9=22
IV	10	13+10=23
V	9	9+10=19
VI	10	10+13=23
VII	3	0+11=11
VIII	8	10+11=21
Total	68	77+83=160