

Tamil Nadu Agricultural University

B.Sc. (Agriculture) – Syllabus 2007

I Year

I Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	TAU 101	Applied Physical Sciences	2+1
2	COM 101	Introduction to Computer Technology and Programming Languages (Off-class mode)	0+2
3	MAT 101	Applied Mathematics	2+1
4	AMP101	Livestock and Poultry Production Technology	2+1
5	AGR 101	Principles of Agronomy and Agricultural Heritage	1+1
6	NSS 101/ NCC 101	National Service Scheme/ National Cadet Corps	0+1
7	PED 101	Physical Education	0+1
		Total	7+8=15

I Year

II Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	TAU 102	Basic Electronics and Instrumentation Technology	2+1
2	TAU 103	English Speaking and Writing Skills (Off-class mode)	0+1
3	AGR 102	Agronomy of Crops	2+1
4	PBG 101	Agricultural Botany, Genetics and Cytogenetics	2+1
5	SAC101	Fundamentals of Soil Science	2+1
6	BIC 101	Biochemistry	2+1
7	CRP 101	Crop Physiology	2+1
		Total	12+7=19

**II Year
III Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	STA 201	Applied Statistics	2+1
2	TAU 201	Soft Skills for Personality Development (Off-class mode)	0+1
3	ABT 201	Principles of Plant Biotechnology	2+1
4	AEC 201	Principles of Agricultural Economics	2+1
5	AEN 201	Fundamentals and Economic Entomology	2+1
6	PAT 201	Principles of Plant Pathology	2+1
7	FMP 201	Farm Machinery and Renewable Energy	2+1
		Total	12+7=19

**II Year
IV Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	SWC 201	Soil Conservation and Water management	2+1
2	AMT 201	Atmospheric Science and Climate Risk Management	2+1
3	SAC 201	Fertilizer Technology and Nutrient Management	2+1
4	HOR 201	Production Technology of Horticultural Crops	2+1
5	SST 201	Principles and Practices of Seed Production	2+1
6	PAT 202	Disease and Nematode Management in Crops	2+1
		Total	12+6=18

**III Year
V Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	TAU 301	Fundamentals and Applications of Nano-technology	1+1
2	AGR 301	Practical Crop Production *	0+1
3	PBG 301	Principles and Methods of Plant Breeding	2+1
4	AGM 301	Agricultural and Industrial Microbiology	2+1
5	HOR 301	Floriculture, Landscaping and Turf Management	2+1
6	TAU 302	Forestry, Natural Resources and Environmental Sciences	2+1
7	FSN 301	Food Science and Post Harvest Technology	2+2
		Total	11+8=19

* Continued up to VI Semester

**III Year
VI Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	COM 301	Applied Aggroinformatics	2+1
2	ABM 301	Agri Business Management – I	2+1
3	AEN 301	Crop and Stored Pests Management	2+1
4	AEC 301	Agricultural Finance, Marketing and International Trade	2+1
		Professional Electives**	-
		Total	8+4=12

** Minimum requirement of 18 credits which can be registered during VI and VIII Semesters without exceeding the total credits of 22 per Semester.

**IV Year
VII Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	TAU 411	RAWE - Internship with farmers (Village Stay) - 30 days Attachment with ADO/AO/HO - 15 days Attachment with NGO - 15 days	0+6
2	TAU 414	Agro Industrial Tie- up Programme (AITP) - 17 days	0+1
3	TAU 415	Industry and Institutional Educational Tour - Two programmes of 14 days each - 28 days	0+1
4	TAU 416	Project Work (two semesters)	0+1
		Total	0+9=9

**IV Year
VIII Semester**

Sl.No.	Course No.	Course Title	Credit Hours
1	ABM 401	Agri Business Management – II	2+1
2	AEX 401	Extension Methodologies and Transfer of Agricultural Technology	2+1
3	TAM 401	இலக்கியங்களில் வேளாண்மையும் அறிவியல்தமிழ்ப் பயனாக்கமும்	0+1
		Professional Electives**	-
		Total	4+3=7

** Minimum requirement of 18 credits which can be registered during VI and VIII Semesters without exceeding the total credits of 22 per Semester.

LIST OF PROFESSIONAL ELECTIVES

Sl. No.	Course No.	Title	Credit Hours
GROUP – I			
1	AGR 501	Organic Farming	2+1
2	AGR 502	Integrated Farming System	1+1
3	AGR 503	Weed Science and Technology	1+1
4	AEC 501	Agricultural Project Analysis	2+1
5	SAC 501	Soil Resource Inventory and Soil Health for Commercial Agriculture	1+2
6	SAC 502	Fortified Organics and Fertilizer Mixtures	1+2
7	AMP 501	Technology of Caprine Production	1+1
8	AEX 501	Farm Journalism	1+1
9	AEX 502	Human Resourcing and Public Relations	2+1
10	ENS 501	Composting Technology	1+2
			13+13=26
GROUP – II			
1	HOR 501	Nursery Technology for Horticultural Crops	0+2
2	HOR 502	Ornamental Gardening and Landscaping	2+1
3	BTH 503	Micro propagation of Commercial Horticultural Crops	1+2
4	AGM 502	Industrial Process for Microbial Products	1+2
5	AGM 501	Bio-fertilizer Production and Quality Control	1+2
6	PBG 501	Crop Biodiversity and Maintenance Breeding	1+2
7	PBG 502	Special and Innovative Methods of Breeding	2+1
8	BTB 502	Commercial Plant Tissue Culture	1+2
9	BTB 506	Food Biotechnology	1+2
			10+16=26
GROUP – III			
1	AEN 501	Urban Entomology and Pest Management	2+1
2	AEN 502	Commercial Production of Biocontrol Agents	0+2
3	AEN 503	Commercial Bee Keeping	2+1
4	SST 501	Commercial Hybrid Seed Production	1+2
5	SST 502	Seed Enhancement Techniques	1+1
6	PAT 501	Biological Control of Plant Diseases	2+1
7	PAT 502	Mushroom Production and Processing	1+2
8	SER 501	Sericulture Technologies	2+1
9	SER 502	Commercial Sericulture	1+1
			12+12=24

Professional Electives of AIT (Module I & IV) is also offered to B.Sc.(Ag) program