

## B.Sc.(Forestry) – Syllabus 2011

S. No.	Course No.	Course Title	Credit Hrs.
<b>I SEMESTER</b>			
1.	FSA 101	Principles of Silviculture	2+1
2.	FPU 101	Fundamentals of Forest Pathology	1+1
3.	AGR 102	Fundamentals of Meteorology	1+1
4.	FTB 101	Forest Botany and Ethnobotany	1+1
5.	SAC 101	Principles of Analytical Chemistry	1+1
6.	ENG 101	English for Effective Communication	0+1
7.	MAT 111	Applied Mathematics	1+1
8.	COM 111	Fundamentals of Information Technology	1+1
9.	PED 101	Physical Education	0+1
10.	NSS 101	National Service Scheme (NSS)	0+1
<b>Total</b>			<b>18</b>
<b>II SEMESTER</b>			
1.	FTB 102	Dendrology	2+1
2.	FSA 103	Practices of Silviculture	2+1
3.	AGR 131	Production Technology of Field Crops	1+1
4.	AEC 101	Principles of Agricultural Economics	1+1
5.	FRM 101	Forest Surveying	1+2
6.	BIC 101	Fundamentals of Biochemistry	2+1
7.	CRP 101	Crop Physiology	2+1
8.	PBG 102	Principles of Genetics	2+1
9.	FRM 102	Study Tour to Southern Tamil Nadu	0+1
10.	PED 101	Physical Education (contd.)	0+1
11.	NSS 101	National Service Scheme (NSS) (contd.)	0+1
<b>Total</b>			<b>23</b>

S. No.	Course No.	Course Title	Credit Hrs.
<b>III SEMESTER</b>			
1.	FSA 201	Silviculture Systems	1+0
2.	FRM 201	Forest Engineering	1+1
3.	FSA 202	Silviculture of Economic Trees	2+0
4.	FEE 201	Forest Microbiology	2+1
5.	FTB 201	Tree Seed Technology	2+1
6.	FEE 204	Ecophysiology of Forest Vegetation	1+1
7.	FEE 202	Geology and Soil Science	1+1
8.	FSA 203	Tree Nursery Technology	0+1
9.	FSA 204	Elements of Entomology	1+1
10.	FSA 205	Forest Nematology and Plant Quarantine	0+1
11.	AMP 201	Livestock, Poultry Production and Management	2+1
12.	PED 101	Physical Education (contd.)	0+1
13.	NSS 101	National Service Scheme (NSS) (contd.)	0+1
<b>Total</b>			<b>22</b>
<b>IV SEMESTER</b>			
1.	FEE 203	Forest Ecology and Biodiversity	2+1
2.	FRM 202	Forest Management and Working Plan	2+1
3.	FWB 201	Wildlife Biology	1+1
4.	FSA 206	Forest Entomology	1+1
5.	FPU202	Applied Forest Pathology	1+1
6.	FPU 201	Forest Mensuration and Inventory	2+1
7.	FRM 203	Study Tour to Northern Tamil Nadu	0+1
8.	ARM 201	Fundamentals of Agribusiness Management	1+1
9.	STA 201	Applied Statistics	1+1
10.	PED 101	Physical Education (contd.)	0+1
11.	NSS 101	National Service Scheme (NSS) (contd.)	0+1
<b>Total</b>			<b>20</b>
<b>V SEMESTER</b>			
1.	FWB 301	Wildlife and Protected Area Management	2+1
2.	FSA 301	Social Forestry and Agro Forestry	2+1
3.	NST 301	Fundamentals and Applications of Nanotechnology	1+0
4.	FTB 301	Tree Breeding and Tree Improvement	2+1
5.	FPU 302	Wood Science and Technology	2+1
6.	FRM 301	Principles of Hydrology and Watershed Management	2+1
7.	FRM 304	Forest Production Economics and Marketing	2+1
8.	FPU 301	Logging and Ergonomics	1+1
9.	HOR 331	Production Technology of Horticultural Crops	1+1
10.	PED 101	Physical Education (contd.)	0+1
<b>Total</b>			<b>23</b>

S. No	Course No.	Course Title	Credit Hrs.
<b>VI SEMESTER</b>			
1.	FPU 303	Wood Products and Utilization	2+1
2.	FPU 304	Non Wood Forest Products and Utilization	1+1
3.	FRM 302	Forest Policies and Legislation	1+0
4.	FPU 305	Wood Seasoning and Preservation	1+1
5.	FRM 303	Tribes and Tribal Development	0+1
6.	ENG 301	Soft Skills for Career Development	0+1
7.	FEE 301	Soil Chemistry, Fertility and Management of Problem Soils	2+1
8.	FTB 302	Clonal Forestry	1+1
9.	FRM 305	Study Tour to Southern India	0+1
10.	PED 101	Physical Education (contd.)	0+1
11.	EXP 301	Experiential Learning – I	0+5
<b>Total</b>			<b>21</b>
<b>VII SEMESTER</b>			
1.	FWE 401	Forest Work Experience	0+6
2.	FPW 401	Project Work	0+4
3.	FRM 404	Study Tour to Northern India	0+1
<b>Total</b>			<b>11</b>
<b>VIII SEMESTER</b>			
1.	FRM 401	Remote Sensing and GIS in Forestry	1+1
2.	FRM 402	Forestry Extension and Communication Methods	1+1
3.	FRM 403	Finance and Project Analysis in Forestry	1+1
4.	FTB 401	Forest Biotechnology	1+1
5.	FEE 401	Environmental Science and Climate Change	1+1
6.	FTB 402	Forest Genetic Resources and Conservation	1+1
7.	FSA 401	Plantation Forestry	1+1
8.	FWB 401	Ornithology	1+1
9.	TAM 401/ ENG 401	,y;fpa';fspy; ntshz;ika[k; mwptpay; jkpH; gadhf;fKk; / Development Education (Non Tamil Students)	0+1
10	FPW 401	Project Work (contd.)	0+4
11	EXP 401	Experiential Learning – II	0+5
<b>Total</b>			<b>22</b>

### SUMMARY OF COURSE CREDITS

Semester	No. of Courses	Credit Hours
I	10	18
II	9	23
III	11	22
IV	9	20
V	9	23
VI	10	21
VII	3	11
VIII	10	22
<b>Total</b>	<b>71</b>	<b>160</b>

### SILVICULTURE AND AGROFORESTRY

Sl.No	Course No.	Courses	Credit Hours
1	FSA 101	Principles of Silviculture	2+1
2	FPU 201	Fundamentals of Forest Pathology	1+1
3	FSA 103	Practices of Silviculture	2+1
4	FSA 201	Silviculture Systems	1+0
5	FSA 202	Silviculture of Economic Trees	2+0
6	FSA 203	Tree Nursery Technology	0+1
7	FSA 204	Elements of Entomology	1+1
8	FSA 205	Forest Nematology and Plant Quarantine	0+1
9	FSA 206	Forest Entomology	1+1
10	FPU 202	Applied Forest Pathology	1+1
11	FPU 201	Forest Mensuration and Inventory	2+1
12	FSA 301	Social Forestry and Agro Forestry	2+1
13	FSA 401	Plantation Forestry	1+1
14	AGR 131	Production Technology of Field Crops	1+1
15	HOR 331	Production Technology of Horticultural Crops	1+1
<b>Total</b>			<b>18+13=31</b>

### TREE BREEDING

Sl.No	Course No.	Courses	Credit Hours
1	FTB 101	Forest Botany and Ethnobotany	1+1
2	FTB 102	Dendrology	2+1
3	FTB 201	Tree Seed Technology	2+1
4	FEE 204	Ecophysiology of Forest vegetation	1+1
5	FTB 301	Tree Breeding and Improvement	2+1
6	FTB 302	Clonal Forestry	1+1
7	FTB 401	Forest Biotechnology	1+1
8	FTB 402	Forest Genetic Resources and Conservation	1+1
9	PBG 102	Principles of Genetics and Cytogenetics	2+1
10	CRP 101	Crop Physiology	2+1
11	NST 301	Fundamentals and Applications of Nanotechnology	1+0
Total			16+10=26

### WILD LIFE BIOLOGY

Sl.No	Course No.	Courses	Credit Hours
1	FWB 201	Wildlife Biology	1+1
2	FWB 301	Wildlife and Protected Area Management	2+1
3	FWB 401	Ornithology	1+1
4	AMP 201	Livestock, Poultry Production And Management	2+1
Total			6+4=10

## FOREST RESOURCE MANAGEMENT

Sl.No	Course No.	Courses	Credit Hours
1	FRM 101	Forest surveying	1+2
2	FRM 102	Study Tour to Southern Tamil Nadu	0+1
3	FRM 201	Forest Engineering	1+1
4	FRM 202	Foret Management and Working Plan	2+1
5	FRM 203	Stuy Tour to Northern Tamil Nadu	0+1
6	FRM 301	Principles of Hydrology and Watershed Management	2+1
7	FRM 302	Forest Policies and Legislation	1+0
8	FRM 303	Tribes and Tribal Development	0+1
9	FRM 304	Forest Production Economics and Marketing	2+1
10	FRM 305	Study Tour to Southern India	0+1
11	FRM 401	Remote Sensing and GIS in Forestry	1+1
12	FRM 402	Forestry Extension and Communication Methods	1+1
13	FRM 403	Finance and Project Analysis in Forestry	1+1
14	FRM 404	Study Tour to Northern India	0+1
<b>Total</b>			<b>12+14=26</b>

### FOREST PRODUCTS AND UTILIZATION

Sl.No	Course No.	Courses	Credit Hours
1	FPU 301	Logging and Ergonomics	1+1
2	FPU 302	Wood Science and Technology	2+1
3	FPU 303	Wood Products and Utilization	2+1
4	FPU 304	Non Wood Forest Products and Utilization	1+1
5	FPU 305	Wood Seasoning and Preservation	1+1
<b>Total</b>			<b>7+5 =12</b>

### FOREST ECOLOGY AND ENVIRONMENT

Sl.No	Course No.	Courses	Credit Hours
1	FEE 201	Forest Microbiology	2+1
2	FEE 202	Geology and Soil Science	1+1
3	FEE 203	Forest Ecology and Biodiversity	2+1
4	FEE 301	Soil Chemistry, Fertility and Management of Problem Soils	2+1
5	FEE 401	Environmental Science and Climate Change	1+1
6	BIC 101	Fundamentals of Biochemistry	2+1
7	SAC 101	Principles of Analytical Chemistry	1+1
<b>Total</b>			<b>11+7 =18</b>

### COURSES OFFERED BY OTHER DEPARTMENTS

Sl.No	Course No.	Courses	Credit Hours
1	MAT 101	Applied Mathematics	1+1
2	STA 201	Applied Statistics	1+1
3	TAM 401	,yf;fpa';fspy; ntshz;ika[k; mwptpay; jkpH; gadhf;fKk;.	0+1
4	ENG 401	Development Education (Non –Tamil Students)	0+1
5	ENG 101	English for Effective Communication	0+1
6	ENG 301	Soft skills for career development	0+1
7	ARM 201	Fundamentals of Agribusiness Management	1+1
8	COM 101	Fundamentals of Information Technology	1+1
9	FPW 401	Project Work	0+4
10	FWE 401	Forest Work Experience	0+6
11	AEC 101	Principles of Agricultural Economics	1+1
12	AGR 102	Fundamentals of Agricultural Meteorology	1+1
13	NSS 101	National Service Scheme (NSS)	0+1
14	PED 101	Physical Education	0+1
<b>Total</b>			<b>6+22=28</b>