

# **B.Sc. Forestry 4 year degree course**

## **Course Structure & Syllabus for 2017 & onwards Batch**

# Course Structure for 2017 & onwards batches

## Abstract of the Course Structure – 2017 & onwards

<b>Semester</b>	<b>No. of Courses</b>	<b>Credits(T+P)</b>
I	9	21
II	9	23
III	9	24
IV	10	25
V	8	24
VI	9	23
VII	2	23
VIII	6	17
<b>TOTAL</b>	<b>62</b>	<b>180</b>

# Semester-I

<b>Course Code</b>	<b>Course</b>	<b>Credits(T+P)</b>
BFC101	Introduction to Forestry	2+0
BFC 102	Dendrology	2+1
BFC 103	Introduction to Agronomy and Horticulture	2+1
BFC 104	Fundamentals of Geology & Soil Science	2+1
BFC 105	Environmental Studies and Disaster Management	2+1
BFC 106	Information & Communication Technology	1+1
BFC 107	Basic Mathematics	1+1
BFC 108	Communication Skills and Personality Development	1+1
BFC 109	NCC/NSS/ Physical Education-I	0+1
	<b>Total</b>	<b>13+8 = 21</b>

## Semester-II

Course Code	Course	Credits(T+P)
BFC 110	Plant Physiology	2+1
BFC 111	Plant Biochemistry	1+1
BFC 112	Principles of Silviculture	2+1
BFC 113	Wood Anatomy	1+1
BFC 114	Forest Protection	2+1
BFC 115	Wildlife Biology	2+1
BFC 116	Statistical Methods and Experimental Techniques	2+1
BFC 117	Principles of Plant Cytology and Genetics	2+1
BFC 118	NCC/NSS/ Physical Education-II	0+1
	<b>Total</b>	<b>14+9 = 23</b>

## Semester-III

Course Code	Course	Credits(T+P)
BFC 201	Forest Survey & Engineering	2+1
BFC 202	Fertility of Forest Soils and Nutrient Management	2+1
BFC 203	Forest Ecology & Biodiversity Conservation	2+1
BFC 204	Forest Genetics & Tree Improvement	2+1
BFC 205	Principles of Agroforestry	2+1
BFC 206	Forest Mensuration	2+1
BFC 207	Rangeland and livestock management	1+1
BFC 208	Agricultural Informatics	2+1
BFC 209	NCC/NSS/ Physical Education-III	0+1
	<b>Total</b>	<b>15+9 = 24</b>

## Semester – IV

Course Code	Course	Credits(T+P)
BFC 210	Forest Management	2+1
BFC 211	Wood Products & Utilization	2+1
BFC 212	Ornithology & Herpetology	2+1
BFC 213	Seed Technology & Nursery Management	2+1
BFC 214	Ethnobotany, medicinal and aromatic plants	2+1
BFC 215	Plantation Forestry	2+1
BFC 216	Silviculture of Indian Trees	2+1
BFC 217	Tree harvesting and ergonomics	1+1
BFC 218	Study Tour of State Forests (10 Days)	0+1
BFC 219	NCC/NSS/ Physical Education-III	0+1
	<b>Total</b>	<b>15+10 = 25</b>

## Semester – V

Course Code	Course	Credits(T+P)
BFC 301	Forest Hydrology and Watershed Management	2+1
BFC 302	Agrometeorology and Climate Science	2+1
BFC 303	Non-Timber Forest Products	2+1
BFC 304	Economics and Marketing	2+1
BFC 305	Forest Extension & Community Forestry	2+1
BFC 306	Entrepreneurship Development and Business Management	1+1
BFC 307	Experiential Learning(Student READY) [SA3113/FB3106/FP 3106/ NR 3113/WL3103/BS3114]	0+6
BFC 308	NCC	0+1
	<b>Total</b>	<b>11+13 = 24</b>

## Semester-VI

Course Code	Course	Credits(T+P)
BFC 309	Practices of Silviculture	2+1
BFC 310	Forest Laws, Legislation and Policies	2+0
BFC 311	Remote Sensing & GIS	1+1
BFC 312	Recreation & Urban Forestry	1+1
BFC 313	Restoration of Degraded Lands	1+1
BFC 314	Wood Science and Technology	2+1
BFC 315	Marketing and Certification of Forest Products	1+1
BFC 316	Experiential Learning(Student READY)	0+6
BFC 317	NCC	0+1
	<b>Total</b>	<b>10+13 = 23</b>

## Semester-VII

Course Code	Course	Credits(T+P)
BFC 401	Forestry Work Experience (Student READY,FoWE)	0+20
BFC 402	All India Study Tour (30 days)	0+3
	<b>Total</b>	<b>0+23 = 23</b>

## Semester-VIII

Course Code	Course	Credits(T+P)
BFC 403	Forest Tribology & Anthropology	2+0
BFC 404	Forest Biotechnology	2+1
BFC 405	Agroforestry Systems and Management	1+1
BFC 406	Wildlife Management	1+1
BFC 407	Forest Ecophysiology	2+1
BFC 408	Project Work & Dissertation- Student READY	0+5
	<b>Total</b>	<b>8+9 =17</b>
	<b>Grand Total</b>	<b>86+94 = 180</b>