



## ICAR V<sup>th</sup> Deans' FORESTRY Syllabus NAU, Navsari

### B.Sc. (Hons.) Forestry

#### Department-wise Courses in B.Sc. (Hons.) Forestry

C. Code	Course Title	Credit Hrs.
<b>Department of Silviculture &amp; Agroforestry (SAF)</b>		
SAF 1.1	Introduction to Forestry	2+0
SAF 1.2	Introduction to Agronomy and Horticulture	2+1
SAF 2.3	Principles of Silviculture	2+1
SAF 3.4	Principles of Agroforestry	2+1
SAF 3.5	Forest Mensuration	2+1
SAF 3.6	Rangeland and livestock management	1+1
SAF 4.7	Forest Inventory and Yield Prediction	1+1
SAF 4.8	Silviculture of Indian Trees	2+1
SAF 5.9	Practices of Silviculture	2+1
SAF 6.10	Forest Extension & Community Forestry	2+1
SAF 6.11	Recreation & Urban Forestry	1+1
SAF 6.12	Plantation Forestry	2+1
SAF 8.13	Agroforestry Systems and Management	1+1
	<b>Total</b>	<b>22+12 = 34</b>
<b>Department of Forest Biology &amp; Tree Improvement (FBT)</b>		
FBT 2.1	Dendrology	2+1
FBT 3.2	Wildlife Biology	2+1
FBT 3.3	Forest Ecology & Biodiversity Conservation	2+1
FBT 3.4	Forest Genetics & Tree Improvement	2+1
FBT 3.5	Forest Ecophysiology	1+1
FBT 4.6	Ornithology & Herpetology	2+1
FBT 4.7	Seed Technology & Nursery Management	2+1
FBT 8.8	Forest Biotechnology	2+1
FBT 8.9	Wildlife Management	1+1
	<b>Total</b>	<b>16+9 = 25</b>
<b>Department of Forest Products &amp; Utilisation (FPU)</b>		
FPU 2.1	Wood Anatomy	1+1
FPU 4.2	Wood Products & Utilization	2+1
FPU 4.3	Ethnobotany and MAPs	2+1
FPU 4.4	Logging and Ergonomics	1+1
FPU 4.5	Non-Timber Forest Products	2+1
FPU 5.6	Wood Science and Technology	2+1
FPU 6.7	Marketing and Certification of Forest Products	1+1
	<b>Total</b>	<b>11+7= 18</b>
<b>Department of Natural Resource Management (NRM)</b>		
NRM 1.1	Fundamentals of Geology & Soil Science	2+1
NRM 1.2	Environmental Studies and Disaster Management	2+1



NRM 2.3	Forest Protection	2+1
NRM 2.4	Soil Biology & Fertility	2+1
NRM 3.5	Forest Survey & Engineering	2+1
NRM 5.6	Agrometeorology and Climate Change	2+1
NRM 5.7	Forest Management	2+1
NRM 5.8	Principles of Economics and Marketing	2+1
NRM 5.9	Restoration of Degraded Lands	1+1
NRM 6.10	Forest Laws, Legislation and Policies	2+0
NRM 6.11	Geomatics-Remote Sensing & GIS	1+1
NRM 6.12	Forest Hydrology and Watershed Management	2+1
	<b>Total</b>	<b>22+11 = 33</b>
<b>Department of Basic Science &amp; Humanities (BSH)</b>		
BSH 1.1	Information & Communication Technology	1+1
BSH 1.2	Introductory Botany *	1+1*
BSH 1.3	Communication Skills and Personality Development	1+1
BSH 1.4	Plant Physiology	2+1
BSH 2.5	Basic Mathematics*	2+0 *
BSH 2.6	Plant Biochemistry	1+1
BSH 2.7	Statistical Methods and Experimental Techniques	2+1
BSH 2.8	Principles of Plant Cytology and Genetics	2+1
BSH 6.9	Entrepreneurship Development and Business Management	1+1
BSH 8.10	Forest Tribology & Anthropology	2+0
BSH 8.11	Agricultural Informatics	1+1
	<b>Total</b>	<b>16+9 = 25</b>

<b>Forestry Student READY Programme (FRP)</b>		
<b>FRP 4.1</b>	Study Tour of State Forest	0+1
<b>FRP 5.2</b>	Experiential Learning (Forest Nursery)	0+5**
<b>FRP 5.3</b>	Experiential Learning (Apiculture)	0+5**
<b>FRP 6.4</b>	Experiential Learning (Forest Nursery)	0+5**
<b>FRP 6.5</b>	Experiential Learning (Apiculture)	0+5**
<b>FRP 7.6</b>	Forestry Work Experience	0+20
FRP 7.6.1	Attachment with forest department- 8 Weeks	10 (0+10)
FRP 7.6.2	Industry /NGO Attachment- 3 weeks	4(0+4)
FRP 7.6.3	Socio-economic Surveys and Village Attachment- 2 weeks	3(0+3)
FRP 7.6.4	Weapon Training and First-Aid Training -1 week	1(0+1)
FRP 7.6.5	Report Writing & Presentation-1 week	2 (0+2)
<b>FRP 7.7</b>	All India Study Tour (3 weeks)	0+3
<b>FRP 8.8</b>	Project Work & Dissertation	0+10
	<b>Total</b>	<b>0+44 = 44</b>



NCC/NSS		
NNP 1.1	NCC/NSS	0+1*
NNP 2.2	NCC/NSS	0+1*
NNP 3.3	NCC/NSS	0+1*
NNP 4.4	NCC/NSS	0+1*
NNP 5.5	NCC/NSS	0+1*
NNP 6.6	NCC/NSS	0+1*
	<b>Total</b>	<b>0+6 = 6</b>
	<b>Grand Total</b>	<b>87+98 = 185</b>
	Non-credit courses (NNP, BSH 1.2 and BSH 2.5)	3+7= 10
	<b>Total credit courses</b>	<b>84 +91=175</b>

\* Non-credit courses (Non grade)

\*\* In ELP any one model will be opted.