



Royal School of Life Sciences (RSLSC)

Department Of Forestry

Course Structure & Syllabus  
(Based on NEP-2020)

B.Sc. Forestry  
(4-years Single Major)

W.E.F.  
AY-2024-25

## **STRUCTURE OF THE SYLLABUS FOR 4 YEAR UG PROGRAMME**

**SCHOOL NAME**               **-RSLSC**

**DEPARTMENT NAME**   **-Forestry**

**PROGRAMME NAME**   **-B.Sc. Forestry**

<b>1<sup>st</sup> SEMESTER</b>					
<b>COMPONENT</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
Major (Core)	FOR142M101	Forest Ecology	100	3	3-1-0
	FOR142M112	Forest ecology practical	100	3	0-0-3
Minor	FOR142M101	Basics of Forest Ecology	100	3	3-1-0
Interdisciplinary (IDC)	IKS992K101	Indian Knowledge System - I	100	3	3-0-0
Ability Enhancement course (AEC)	CEN982A101	Communicative English	100	1	1-0-0
	BHS982A102	Behavioural Science-I		1	1-0-0
Skill Enhancement Course (SEC)	FOR142S121	Plant Disease: Identification and control	100	3	1-0-2
Value Added Course (VAC)	VAC-1	To be selected from the common basket	100	3	3-0-0
*MOOCs	MOOCs 1	*MOOCs/online course will be identified by the dept. from the list of courses available on the MOOC online platform/SYAWAM portal	100	3	
<b>TOTAL CREDIT FOR 1<sup>st</sup> SEMESTER</b>				23	
<b>2<sup>nd</sup> SEMESTER</b>					
<b>COMPONENT</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>	<b>L-T-P</b>
Major (Core)	FOR142M201	Forest systematics & ethnobiology	100	3	3-1-0
	FOR142C212	Forest systematics & ethnobiology Practical	100	3	0-0-3
Minor	FOR142N201	Forest Taxonomy & ethnobiology	100	3	3-1-0
IDC	IKS992K201	Indian Knowledge System - II	100	3	3-1-0
AEC	CEN982A201	Communicative English-II	100	1	1-0-0
	BHS982A202	Behavioural Science-II		1	1-0-0
SEC	FOR142S221	Plant Identification and Herbarium Techniques	100	3	1-0-2
VAC		To be selected from the common basket	100	3	3-0-0
*MOOCs	MOOCs 2	*MOOCs/online course will be identified by the dept. from the list of courses available on the MOOC online platform/SYAWAM portal	100	3	
<b>TOTAL CREDIT FOR 2<sup>nd</sup> SEMESTER</b>				23	
<b>3<sup>rd</sup> SEMESTER</b>					

COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M301	Forest Mensuration	200	4	2-1-1
	FOR142M302	Silviculture & Nursery Technology		4	3-1-0
Minor	FOR142N301	Forest Protection	200	4	3-1-0
IDC		To be selected from Basket Course	200	3	3-0-0
AEC		Communicative English and	200	1	1-0-0
		Behavioural Science-III		1	1-0-0
SEC	FOR142S321	Geology & Soil science	200	3	2-0-1
*MOOCs	MOOCs 3	*MOOCs/online course will be identified by the dept. from the list of courses available on the MOOC online platform/SYAWAM portal	200	3	
<b>TOTAL CREDIT FOR 3<sup>rd</sup> SEMESTER</b>				23	
<b>4<sup>th</sup> SEMESTER</b>					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M401	Principles of Agroforestry	200	3	2-0-1
	FOR142M402	Forest Management	200	3	2-1-0
	FOR142M403	Forest Resources Utilization	200	3	2-0-1
	FOR142M404	Indigenous Practices in Forestry and Sustainable Resource Management (IKS)	200	3	2-0-1
Minor	FOR142N401	Wildlife Biology	200	3	3-0-0
	FOR142N402	Forest Ecology And Biodiversity Conservation	200	3	3-0-0
AEC		Communicative English Behavioural	200	1	1-0-0
		Science-IV	200	1	1-0-0
*MOOCs	MOOCs 4	*MOOCs/online course will be identified by the dept. from the list of courses available on the MOOC online platform/SYAWAM portal	200	3	
<b>TOTAL CREDIT FOR 4<sup>th</sup> SEMESTER</b>				23	
<b>5<sup>th</sup> SEMESTER</b>					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M501	Forest Policy & Legislation	300	4	3-1-0
	FOR142M502	Plantation Forestry	300	4	2-1-1
	FOR142M503	Tree Improvement	300	4	2-1-1
Minor	FOR142N501	Farming based livelihood systems	300	4	3-1-0
Internship/Research	FOR142M521	Internship/ Research Project	300	4	0-0-4
<b>TOTAL CREDIT FOR 5<sup>th</sup> SEMESTER</b>				20	
<b>6<sup>th</sup> SEMESTER</b>					

COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M601	Forest Biotechnology	300	4	2-1-1
	FOR142M602	Forest Economics and Marketing	300	4	2-1-1
	FOR142M603	Remote Sensing and GIS Applications	300	4	2-1-1
	FOR142M604	Forest Tribology, Ethnomedicine and Extension	300	4	2-1-1
Minor	FOR142N601	Forest Entrepreneurship and Business Management	300	4	3-1-0
<b>TOTAL CREDIT FOR 6<sup>th</sup> SEMESTER</b>				20	
<b>7<sup>th</sup> SEMESTER</b>					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M701	Wood Science and Technology	400	4	2-1-1
	FOR142M702	Forest Biomass Energy and Biofuels	400	4	2-1-1
	FOR142M703	Watershed Planning and Management	400	4	
	FOR142M704	Industrial Agroforestry	400	4	2-1-1
Minor	FOR142N701	Trees Outside Forests (TOF)	400	4	3-1-0
<b>TOTAL CREDIT FOR 7<sup>th</sup> SEMESTER</b>				20	
<b>8<sup>th</sup> SEMESTER</b>					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	FOR142M801	Innovations in Forest Product and Utilization	400	4	2-1-1
Minor	FOR142N802	Research Methodology	400	4	2-1-1
Project / Dissertation	FOR142M821	Dissertation	400	12	0-0-12
<b>TOTAL CREDIT FOR 8<sup>th</sup> SEMESTER</b>				20	