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ಕೆಲದಿ ಶಿವಪ್ಪ ನಾಯಕ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ
KELADI SHIVAPPA NAYAKA UNIVERSITY OF AGRICULTURAL AND
HORTICULTURAL SCIENCES, SHIVAMOGGA

Main Campus :Iruvakk, Sagara Taluk, Shivamogga District, Karnataka

Dr. K C Shashidhar
Registrar

Office of the Registrar
Sharavathi Administrative Block, II floor
Iruvakk-577 412

No: KSNUAHS(S)/R/UG Syllabi/1110/2024-25

Date: 30-10-2024

Sub: Implementation of the VI Dean Committee report for I B.Sc. (Hons.) Agriculture, Horticulture and Forestry degree programmes from the academic year 2024-25

Ref: 1. 22nd meeting of Board of Studies (UG) held on 10-10-2024.
2. Approval of the Hon'ble Vice Chancellor, KSNUAHS, dtd: 30-10-2024.

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PREAMBLE:

As per the letter from DDG (Agri. Education) D.O. F.No.Edu-5-24/2021-Eqr (1405-42) Dtd: 25.09.2024, the VI Dean committee report has to be implemented from the current academic year 2024-25 in all the Farm Universities. The courses listed as in the report for B.Sc. (Hons.) Agriculture, Horticulture and Forestry degree programmes were examined by the Director of Education, Deans of constituent colleges and University Heads of different divisions of the university and finalized the courses for different programmes in line with the guidelines of the VI Dean Committee report. The same was placed in the 22nd meeting of Board of Studies (Under Graduate) held on 10-10-2024 and was approved by the Board of Studies (Under Graduate) cited at ref (1) above. Hence, the notification.

NOTIFICATION

In pursuance to the above, in line with ICAR's VI Deans Committee' report, various courses to be offered for B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Horticulture and B.Sc. (Hons.) Forestry degree programmes in KSNUAHS, Shivamogga are as given in the annexure I, II, III and IV. This will be applicable to the UG students admitted during the academic year 2024-25 and onwards.

This order will come into force with immediate effect and is issued subject to the pending approval of the Academic Council.

By Order


Registrar

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Registrar

ಕೆ.ಶಿ.ನಾ.ಕೃ.ಪೋ.ಬಿ.ಬಿ., ಶಿವಮೊಗ್ಗ
K.S.N.U.A.H.S., Shivamogga.

Copy to:

1. The Secretary to the Hon'ble Vice Chancellor, KSNUAHS, Shivamogga, for bring to the kind information to the Vice chancellor.
2. The DoE/Dean (PGS)/DE/DR/DSW/Comptroller/Controller of Examinations/AO/EO/Nodal Officer, PME Cell, KSNUAHS, Iruvakk, Shivamogga for your kind information.
3. The Dean (Agri.), CoA, Shivamogga/ Dean (Hort.) CoH, Mudigere/Hiriyur/Dean (Forestry),CoF, Ponnampet/Special Officer, CAS, KSNUAHS, Iruvakk, Shivamogga for your kind information.
4. Office file.

ANNEXURE –I**Courses to be offered to B.Sc. (Hons.) Agriculture Degree from the Academic year 2024-25**

Course and Semester	Sl. No	Course No	Course Title	Credit (T+H)	Total Credits
AGRI-S-I	1	IFP 101	Deeksharambh (Induction cum Foundation course) NG	0+2 NG	2
AGRI-S-I	2	SEC-I [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-I	3	SEC-II [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-I	4	AEC 103	Communication Skills	1+1	2
AGRI-S-I	5	MDC 101	Farming based livelihood systems	2+1	3
AGRI-S-I	6	AEX 101	Rural Sociology and Educational Psychology	2+0	2
AGRI-S-I	7	AGR 101	Fundamentals of Agronomy	2+1	3
AGRI-S-I	8	SSC 101	Fundamentals of Soil Science	2+1	3
AGRI-S-I	9	HRT 101	Fundamentals of Horticulture	2+1	3
AGRI-S-I	10	AEC 101	National Service Scheme (NSS-I)	0+1	1
AGRI-S-I	11	KAN 101/ KNK 101	ಕನ್ನಡ ಸಾಹಿತ್ಯ/ ಕನ್ನಡ ಬಾಷೆ	0+1	1
AGRI-S-I	12	NBC 101	Introductory Biology (Need Based)	1+1 NG*	2
Total					24+2*
AGRI-S-II	1	SEC-III [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-II	2	SEC-IV [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-II	3	AEC 104	Personality Development	1+1	2
AGRI-S-II	4	VAC 101	Environmental Studies and Disaster Management	2+1	3
AGRI-S-II	5	SSC 102	Soil Fertility Management	2+1	3
AGRI-S-II	6	AET 101	Fundamentals of Entomology	2+1	3
AGRI-S-II	7	ANS 101	Livestock and Poultry Management	1+1	2
AGRI-S-II	8	PAT 101	Fundamentals of Plant Pathology	2+1	3
AGRI-S-II	9	AEC 102	NSS-II	0+1	1
AGRI-S-II	11	KAN 102/ KNK 102	ಕನ್ನಡ ಕೃಷಿ/ ಕನ್ನಡ ಸಂಸ್ಕೃತಿ	0+1	1
AGRI-S-II	10	NBC 102	Introductory mathematics (need based)	2+0 NG*	2*
Total					22+2*
AGRI-S-III	1	SEC-V [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-III	2	MDC 102	Entrepreneurship Development and Business Communication	2+1	3
AGRI-S-III	3	AEC 201	Physical Education, First Aid, Yoga Practices and Meditation	0+2	2
AGRI-S-III	4	GPB 201	Principles of Genetics	2+1	3
AGRI-S-III	5	AGR 201	Crop Production Technology-I (Kharif crops)	1+2	3

AGRI-S-III	6	HRT 201	Production Technology of Fruit and Plantation Crops	1+1	2
AGRI-S-III	7	AEX 201	Fundamentals of Extension Education	1+1	2
AGRI-S-III	8	PAT 201	Fundamentals of Nematology	1+1	2
AGRI-S-III	9	AGR 202	Principles and Practices of Natural Farming	1+1	2
Total					21
AGRI-S-IV	1	SEC-VI [#]	Select one Skill Enhancement course from the list	0+2	2
AGRI-S-IV	2	VAC 201	Agricultural Informatics and Artificial Intelligence	2+1	3
AGRI-S-IV	3	HRT 202	Production Technology of Vegetables and Spices	1+1	2
AGRI-S-IV	4	ECO 201	Principles of Agricultural Economics and Farm Management	2+0	2
AGRI-S-IV	5	AGR 203	Crop Production Technology-II (Rabi Crops)	1+2	3
AGRI-S-IV	6	AEG 201	Farm Machinery and Power	1+1	2
AGRI-S-IV	7	AGR 204	Water Management	1+1	2
AGRI-S-IV	8	SSC 201	Problematic Soils and their management	1+1	2
AGRI-S-IV	9	GPB 202	Basics of Plant Breeding	2+1	3
AGRI-S-IV	10	AEC 202	Physical Education	0+1NG	1
Total					22
AGRI-S-V	1	MDC 301	Agricultural Marketing and Trade	2+1	3
AGRI-S-V	2	AMT 301	Introduction to Agro-meteorology	1+1	2
AGRI-S-V	3	CPH 301	Fundamentals of Crop Physiology	2+1	3
AGRI-S-V	4	AET 301	Pest management in Crops and Stored Grains	2+1	3
AGRI-S-V	5	PAT 301	Diseases of Field & Horticultural Crops & their Management	2+1	3
AGRI-S-V	6	GPB 301	Crop Improvement (kharif crops) - I	1+1	2
AGRI-S-V	7	AGR 301	Weed Management	1+1	2
AGRI-S-V	8	HRT 301	Ornamental Crops, MAPs and Landscaping	1+1	2
AGRI-S-V	9	FOR 301	Introductory Agro forestry	1+1	2
AGRI-S-V	10	ETP 301	Study tour	0+2	2
Total					24
AGRI-S-VI	1	MBB 301	Fundamentals of Agri Biotechnology	2+1	3
AGRI-S-VI	2	AST 301	Basic and Applied Agril Statistics	2+1	3
AGRI-S-VI	3	GPB 302	Crop Improvement (Rabi crops) - II	1+1	2
AGRI-S-VI	4	AEG 301	Renewable energy in Agriculture and Allied Sector	1+1	2
AGRI-S-VI	5	AGR 302	Dryland agriculture/ Rainfed agriculture and watershed management	1+1	2
AGRI-S-VI	6	AMB 301	Agricultural Microbiology and Phyto - remediation	1+1	2
AGRI-S-VI	7	ECO 301	Agricultural Finance & Cooperation	1+1	2
AGRI-S-VI	8	BCM 301	Essentials of Plant Biochemistry	2+1	3
AGRI-S-VI	9	SST 301	Fundamentals of Seed Science & Technology	1+1	2
Total					21
AGRI-S-VII			5 Elective Courses (major or minor) each of 4 (3+1) credits for B.Sc. (Hons) Agriculture degree	15+5	20
Total					20

AGRI-S-VIII			For B.Sc. (Hons) Agriculture Degree Student READY :RAWE/ Industrial Attachment /Experiential Learning / Hands-on Training/ Project Work / Internship		20
				Total	20
				Grand Total	178
		OLC	Online Course	10	10
Exit 1	1	AIP 101	Agriculture Intrenship Programme (At the end of First year Students opting for exit they have to undergo AIP)	0+10	10
Exit 2	2	AIP 201	Agriculture Intrenship Programme (At the end of Second year Students opting for exit they have to undergo AIP)	0+10	10

Abbreviations - Expansion

IFP	Induction cum Foundation Programme
SEC	Skill Enhancement Course [#]
AEC	Ability Enhancement Course
MDC	Multi Disciplinary Course
VAC	Value Added Course
NBC	Need Based Course
ETP	Education Tour Programme
AIP	Agriculture Intrenship Programme
NG	Non-Gradial

[#] SEC courses to be selected from the list of SEC courses (**Each Department can add Elective and skill courses with the approval of BoS**)

*Need based courses to be offered to the Lateral Entry quota students and to the ICAR quota students who have not studied these subjects in their 10+2/PUC level


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ANNEXURE –II**Courses to be offered to B.Sc. (Hons.) Horticulture Degree from the Academic year 2024-25**

Course and Semester	Sl.No	Couse No	Course Title	Credit T+H	Total Credits
HOR-S-I	1	IFP 101	Deeksharambh (Induction cum Foundation Programme)	0+2 NG	2
HOR-S-I	2	HRT 111	Fundamentals of Horticulture	2+1	3
HOR-S-I	3	HRT 112	Plant Propagation and Nursery Management of Fruit and Plantation crops	1+2	3
HOR-S-I	4	FLA 111	Commercial production of Flower crops	1+2	3
HOR-S-I	5	MDC 101	Farming Based Livelihood Systems	2+1	3
HOR-S-I	6	AEG 111	Sprinkler and Micro irrigation systems	1+1	2
HOR-S-I	7	AEC 103	Communication Skills	1+1	2
HOR-S-I	8	AET 111	Fundamentals of Entomology	1+1	2
HOR-S-I	9	SEC-I [#]	Skill Enhancement Courses	0+2	2
HOR-S-I	10	SEC-II [#]	Skill Enhancement Courses	0+2	2
HOR-S-I	11	AEC 101	National Service Scheme (NSS) -I	0+1	1
HOR-S-I	12	KAN 101/ KNK101	ಕನ್ನಡ ಸಾಹಿತ್ಯ/ ಕನ್ನಡ ಬಾಷೆ	0+1	1
HOR-S-I	13	NBC 101	Introductory Biology (Need Based)	1+1 NG*	2*
Total				26+2*	
HOR-S-II	1	AGR 111	Introduction to Major Field crops	2+1	3
HOR-S-II	2	PMA 101	Commercial Production of Spices and Plantation crops	2+1	3
HOR-S-II	3	HRT 113	Plant Propagation and Nursery Management in Vegetables, Flowers and Medicinal crops	1+2	3
HOR-S-II	4	AEC104	Personality Development	1+1	2
HOR-S-II	5	MDC102	Entrepreneurship Development and Business Management	2+1	3
HOR-S-II	6	VAC101	Environmental Studies and Disaster Management	2+1	3
HOR-S-II	7	SEC-III [#]	Skill Enhancement Courses	0+2	2
HOR-S-II	8	SEC-IV [#]	Skill Enhancement Courses	0+2	2
HOR-S-II	9	AEC 102	National Service Scheme (NSS)-II	0+1	1
HOR-S-II	11	KAN102/ KNK102	ಕನ್ನಡ ಕೃಷಿ/ ಕನ್ನಡ ಸಂಸ್ಕೃತಿ	0+1	1
HOR-S-II	12	NBC102	Introductory mathematics (need based)	2+0 NG*	2*
Total				23+2*	
HOR-S-III	1	SSC 201	Fundamentals of Soil Science	2+1	3
HOR-S-III	2	FSC 101	Commercial Fruit Production	3+1	4
HOR-S-III	3	HRT 211	Precision Farming and Protected Cultivation	2+1	3
HOR-S-III	4	SST 211	Seed Production of Vegetable, Tuber and Spice crops	2+1	3
HOR-S-III	5	PAT 211	Disease Management of Horticulture crops	2+1	3

HOR-S-III	6	SEC-V [#]	Skill Enhancement Courses	0+2	2
HOR-S-III	7	AEC 201	Physical Education, First Aid, Yoga practices and Meditation	0+2	2
				Total	20
HOR-S-IV	1	VSC 101	Commercial Vegetable Production	3+1	4
HOR-S-IV	2	AEG 211	Farm Power and Machinery for Horticulture	2+1	3
HOR-S-IV	3	VAC 201	Agricultural Informatics and Artificial Intelligence	2+1	3
HOR-S-IV	4	HRT 212	Urban and Peri Urban Horticulture	1+1	2
HOR-S-IV	5	MDC 201	Agriculture Marketing and Trade	2+1	3
HOR-S-IV	6	AET 211	Pest Management of Horticulture crops	2+1	3
HOR-S-IV	7	AMT 211	Introductory Agrometeorology and Climate Change	1+1	2
HOR-S-IV	8	SEC-VI [#]	Skill Enhancement Courses	0+2	2
HOR-S-IV	9	AEC 202	Physical Education	0+1NG	1
				Total	23
HOR-S-V	1	GPB 311	Fundamentals of Plant Breeding	2+1	3
HOR-S-V	2	CPH 312	Growth and Development of Horticultural crops	2+1	3
HOR-S-V	3	SSC 311	Soil Fertility and Nutrient Management	2+1	3
HOR-S-V	4	AMB 311	General Microbiology	2+1	3
HOR-S-V	5	CSC 301	Information and Communication Technology in Horticulture	1+2	3
HOR-S-V	6	CPH 311	Introductory Crop Physiology	1+1	2
HOR-S-V	7	STS 301	Basic Statistics and Experimental Designs	2+1	3
HOR-S-V	8	ETP 301	Educational Tour	0+2 NG	2
				Total	22
HOR-S-VI	1	FOR 311	Introductory Agroforestry	2+1	3
HOR-S-VI	2	HRT 311	Laboratory Techniques for Horticultural crops	0+2	2
HOR-S-VI	3	BCH 301	Principles of Biochemistry	2+1	3
HOR-S-VI	4	FSC 301	Dryland Horticulture	2+1	3
HOR-S-VI	5	AEC 311	Economics and Marketing	2+1	3
HOR-S-VI	6	AGR 311	Principles and Practices of Natural Farming	1+1	2
HOR-S-VI	7	HRT 312	Horticulture Based Integrated Farming System	2+1	3
HOR-S-VI	8	PHM 301	Processing and Value Addition of Horticulture crops	2+1	3
				Total	22
HOR-S-VII	1		Elective Courses- Students will opt one of the elective discipline and accordingly the courses offered by University may be taken	15+5	20
					20

HOR-S-VIII	1		HOR B.Sc. (Hons Agriculture Degree Student READY :RAWE/ Industrial Attachment /Experiential Learning / Hands-on Training/ Project Work / Internship	20	20
					20
Total Credits					176
		OLC	Online Course	10	10
Exit 1	1	HIP 101	Agriculture Intrenship Programme (At the end of First year Students opting HOR exit they have to undergo AIP)	0+10	10
Exit 2	2	HIP 201	Agriculture Intrenship Programme (At the end of Second year Students opting HOR exit they have to undergo AIP)	0+10	10

Abbreviations Expansion

IFP	Induction cum Foundation Programme
SEC	Skill Enhancement Course
AEC	Ability Enhancement Course
MDC	Multi Disciplinary Course
VAC	Value Added Course
NBC	Need Based Course
ETP	Educational tour Programme
NG	Non-gradial

[#] SEC courses to be selected from the list of SEC courses (**Each Department can add Elective and skill courses with the approval of BoS**)

*Need based courses to be offered to the Lateral Entry quota students and to the ICAR quota students who have not studied these subjects in their 10+2/PUC

ELECTIVES					
Fruit Science 20 Credits					
HOR-S-VII	1	FSC 401	Production Technology of Tropical Fruit crops	3(2+1)	3
HOR-S-VII	2	FSC 402	Production Technology of Subtropical and temperate Fruit crops	(2+1)	3
HOR-S-VII	3	FSC 403	Breeding of Fruitcrops	(2+1)	3
HOR-S-VII	4	FSC 404	Canopy Management in Fruit crops	(2+1)	3
HOR-S-VII	5	FSC 405	Biotechnological Approaches and Micropropagation in Fruit crops	(2+1)	3
HOR-S-VII	6	FSC 406	ProductionTechnology of Arid Fruit crops	(2+1)	3
HOR-S-VII	7	FSC 407	Post harvest Management for Fruit crops	(1+1)	2
Vegetable Science 20 Credits					
HOR-S-VII	1	VSC 401	Production Technology of Warm Season Vegetable crops	3(2+1)	3

HOR-S-VII	2	VSC 402	ProductionTechnology of Cool Season Vegetable crops	3(2+1)	3
HOR-S-VII	3	VSC 403	ProductionTechnology of Tuber crops	3(2+1)	3
HOR-S-VII	4	VSC 404	Breeding of Vegetable crops	3(2+1)	3
HOR-S-VII	5	VSC 405	Biotechnological approaches and Micropropagation in Vegetable crops	3(2+1)	3
HOR-S-VII	6	VSC 406	Postharvest Management of Vegetable crops	3(2+1)	3
HOR-S-VII	7	VSC 407	Protected cultivation of Vegetable crops	2(1+1)	2

Floriculture and Landscaping 20 Credits

HOR-S-VII	1	FLL 401	Turf Management	2(1+1)	2
HOR-S-VII	2	FLL 402	Protected Cultivation of Flower crops	3(2+1)	3
HOR-S-VII	3	FLL 403	Value Addition in Floriculture	3(2+1)	3
HOR-S-VII	4	FLL 404	Breeding of Ornamental crops	3(2+1)	3
HOR-S-VII	5	FLL 405	Principles of Landscape Architecture	3(2+1)	3
HOR-S-VII	6	FLL 406	Commercial Floriculture and Landscaping	3(2+1)	3
HOR-S-VII	7	FLL 407	Postharvest handling of Floriculture crops	3(2+1)	3


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ANNEXURE-III**Courses to be offered to B.Sc. (Hons.) Forestry Degree from the Academic year 2024-25**

Course and Semester	Sl.No	Couse No	Course Title	Credit (T+H)	Total Credits
FOR-S-I	1	IFP 101	Deeksharambh	0+2NG	2
FOR-S-I	2	FRM 101	Introduction to Forest Resources	2+1	3
FOR-S-I	3	FBT 101	Forest Plant Biology	2+1	3
FOR-S-I	4	SAF 101	Silviculture-Principles and Practices	2+1	3
FOR-S-I	5	SAF 102	Agroforestry Systems and Management	2+1	3
FOR-S-I	6	SEC-I [#]	Skill Enhancement Courses select from list	0+2	2
FOR-S-I	7	SEC-II [#]	Skill Enhancement Courses select from list	0+2	2
FOR-S-I	8	MDC 101	Farming Based Livelihood Systems	2+1	3
FOR-S-I	9	AEC 101	National Service Scheme (NSS)-I	0+1	1
FOR-S-I	10	AEC 103	Communication Skills	1+1	2
FOR-S-I	11	KAN101/ KNK101	ಕನ್ನಡ ಸಾಹಿತ್ಯ/ ಕನ್ನಡ ಬಾಷೆ	0+1	1
FOR-S-I	12	NBC101	Introductory Biology (Need Based)	1+1 NG	2
					25
FOR-S-II	1	SAF 103	Tree Seed and Nursery Technology	1+2	3
FOR-S-II	2	FBT 102	Fundamental of Forest Genetics	1+1	2
FOR-S-II	3	FPU 101	Wood Anatomy and Identification	1+1	2
FOR-S-II	4	FRM 102	Forest Measurements and Inventory	2+1	3
FOR-S-II	5	AEC 104	Personality Development	1+1	2
FOR-S-II	6	VAC 101	Environmental Studies and Disaster Management	2+1	3
FOR-S-II	7	SEC-III [#]	Skill Enhancement Courses select from list	0+2	2
	8	SEC-IV [#]	Skill Enhancement Courses select from list	0+2	2
FOR-S-II	9	AEC 102	National Service Scheme (NSS)-II	0+1	1
FOR-S-II	10	MDC 102	Entrepreneurship Development and Business Development	2+1	3
FOR-S-II	11	KAN102/ KNK102	ಕನ್ನಡ ಕೃಷಿ/ ಕನ್ನಡ ಸಂಸ್ಕೃತಿ	0+1	1
FOR-S-II	12	NBC102	Introductory mathematics (need based)	2+0NG*	2*
					24+2*
FOR-S-III	1	SAF 201	Silviculture of Trees	2+0	2
FOR-S-III	2	FPU 201	Wood Science and Technology	1+1	2
FOR-S-III	3	FBT 201	Forest Microbiology	1+1	2
FOR-S-III	4	FRM 201	Forest Soil and Nutrient Management	1+1	2
FOR-S-III	5	FRM 202	Forest Survey and Engineering	1+1	2
FOR-S-III	6	FBT 202	Wildlife Sciences	2+1	3
FOR-S-III	7	FRM 203	Forest Health and Protection	1+1	2
FOR-S-III	8	SAF 202	Arboriculture	1+1	2
FOR-S-III	9	AEC 201	Physical Education, First Aid, Yoga practices and Meditation	0+2	2
FOR-S-III	10	SEC-V [#]	Skill Enhancement Courses Select from	0+2	2

					21
FOR-S-IV	1	FPU 202	Commercial Forest Products and Utilization	2+1	3
FOR-S-IV	2	FBT 203	Forest Ecology and Management	2+1	3
FOR-S-IV	3	FPU 203	Tree Harvesting and Ergonomics	1+1	2
FOR-S-IV	4	FRM 204	Forest Policy and Legislation	2+0	2
FOR-S-IV	5	FRM 205	Statistical Methods	1+1	2
FOR-S-IV	6	MDC 301	Agricultural Marketing and Trade	2+1	3
FOR-S-IV	7	VAC 201	Agricultural Informatics and Artificial Intelligence	2+1	3
FOR-S-IV	8	SEC-VI [#]	Skill Enhancement Courses select from list	0+2	2
					20
FOR-S-V	1	FBT 301	Tree Physiology	1+1	2
FOR-S-V	2	SAF 301	Plantation Forestry	2+1	3
FOR-S-V	3	FBT 302	Tree Improvement	2+1	3
FOR-S-V	4	FRM 301	Forest Resource Management	1+1	2
FOR-S-V	5	FPU 301	Non-Timber Forest Products	2+1	3
FOR-S-V	6	FBT 303	Forest Pest and Diseases	2+1	3
FOR-S-V	7	FBT 304	Wildlife and Protected Area Management	2+1	3
FOR-S-V	8	FRM 302	Forest Economics and Marketing	1+1	2
FOR-S-V	9	ETP 301	Study tour	0+2NG	2
					23
FOR-S-VI	1	FBT 305	Forest Biotechnology	2+1	3
FOR-S-VI	2	SAF 302	Industrial Agroforestry	1+1	2
FOR-S-VI	3	FRM 303	Watershed Planning and Management	1+1	2
FOR-S-VI	4	FRM 304	Forest Tribology, Ethno-medicine and Extension	2+1	3
FOR-S-VI	5	FRM 305	Remote Sensing and GIS	1+1	2
FOR-S-VI	6	FRM 306	Forest Business Management	1+1	2
FOR-S-VI	7	SAF303	Forest Landscape Restoration (FLR)	2+0	2
FOR-S-VI	8	FPU 302	Forest Biomass Energy and Biofuels	2+1	3
FOR-S-VI	9	SAF 304	Trees Outside Forests	2+0	2
					21
FOR-S-VII	1		Any one module of Elective Courses (major or minor) Select from list	15+5	20
					20
FOR-S-VIII		FIP 401	First Aid and Weapon Training	(0+1)	1
FOR-S-VIII		FIP 402	Forest Range Attachment	(0+13)	13
FOR-S-VIII		FIP 403	Industrial Placement	(0+4)	4
FOR-S-VIII		FIP 404	Rural Institutional Attachment	(0+2)	2
					20
					174
OLC		Online Course		10	10

Exit 1	1	FIP 101	Agriculture Intrenship Programme (At the end of First year Students opting for exit they have to undergo AIP)	0+10	10
Exit 2	2	FIP 201	Agriculture Intrenship Programme (At the end of Second year Students opting for exit they have to undergo AIP)	0+10	10

Abbreviations Expansion

IFP	Induction cum Foundation Programme
SEC	Skill Enhancement Course
AEC	Ability Enhancement Course
MDC	Multi Disciplinary Course
VAC	Value Added Course
NBC	Need Based Course
ETP	Educational tour Programme

SEC courses to be selected from the list of SEC courses (**Each Department can add Elective and skill courses with the approval of BoS**)

*Need based courses to be offered to the Lateral Entry quota students and to the ICAR quota students who have not studied these subjects in their 10+2/PUC


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Annexure for the Order No. KSNUAHS(S)/R/UG-Syllabi/1110/2024-25 dated 30-10-2024

ANNEXURE–IV

List of Skill Enhancement Courses to be offered to B. Sc. (Hons.) degree programmes:

Course No.	Course Title	Credit Hours
SEC 001	Activated Carbon Technology	0+2
SEC 002	Advanced Wood Working	0+2
SEC 003	Agricultural Waste Management	0+2
SEC 004	Apiculture	0+2
SEC 005	Application of Drone in Forestry	0+2
SEC 006	Arboriculture	0+2
SEC 007	Artificial Intelligence	0+2
SEC 008	AR-VR Module Creation	0+2
SEC 009	Beneficial insect Farming	0+2
SEC 010	Big Data Management	0+2
SEC 011	Biofertilizer and Biopesticide Production	0+2
SEC 012	Biofuel Technology	0+2
SEC 013	Briquetting Techonlogy	0+2
SEC 014	Burlapping Technology	0+2
SEC 015	Carbon Financing Projects	0+2
SEC 016	Cashew Processing	0+2
SEC 017	Clonal Production Technology	0+2
SEC 018	Commercial Forestry	0+2
SEC 019	Commercial Seedling Production	0+2
SEC 020	Commercial tree seed production	0+2
SEC 021	Commercial Vegetable Production	0+2
SEC 022	Commercial Forestry	0+2
SEC 023	Community Forest	0+2
SEC 024	Computer Programming & Data Structure	0+2
SEC 025	Dendroenergy Generation	0+2
SEC 026	Design & Development of Wood Products	0+2
SEC 027	Drone Technology	0+2
SEC 028	Ecotourism	0+2
SEC 029	e-Timber Market	0+2
SEC 030	Farm Machinery	0+2
SEC 031	Food Processing & Food Safety Standards	0+2
SEC 032	Forest Based Industrial Training	0+2
SEC 033	Forest Based Industrial Training	0+2
SEC 034	Forest Certification	0+2
SEC 035	Forest Fire Management	0+2
SEC 036	Forest Machine Learning Technology	0+2
SEC 037	Forest Project Designing and Analysis	0+2

SEC 038	Forest Resource Assessment	0+2
SEC 039	Herpetology	0+2
SEC 040	Human Animal Ecosystem Interface	0+2
SEC 041	Hybrid Seed Production	0+2
SEC 042	Hydroponics	0+2
SEC 043	Import and Export of forest Products	0+2
SEC 044	Internet of Things (IoT) in Forestry	0+2
SEC 045	Internet of Things (IoT) Smart Farming	0+2
SEC 046	Lac and Tassar Cultivation	0+2
SEC 047	Landscape Gardening	0+2
SEC 048	Landscape Management & Restoration	0+2
SEC 049	Marketing & Economics of NTFPs	0+2
SEC 050	Micro Forest	0+2
SEC 051	Micro irrigation Technician	0+2
SEC 052	Micropropagation Technology	0+2
SEC 053	Mining Afforestation	0+2
SEC 054	Mulberry and Non-mulberry based Silk Production	0+2
SEC 055	Multifunctional Agroforestry	0+2
SEC 056	Mushroom production technique	0+2
SEC 057	Nursery Production in Horticulture crops	0+2
SEC 058	Oil Extraction Techniques	0+2
SEC 059	Orchid Production Technology	0+2
SEC 060	Ornithology	0+2
SEC 061	Packaging Technology	0+2
SEC 062	Para-taxonomy	0+2
SEC 063	Python Programming	0+2
SEC 064	Post Harvest Management of Hort. Crops	0+2
SEC 065	Poultry Production	0+2
SEC 066	Processing & Value addition of Fruits Crops	0+2
SEC 067	Protected Cultivation	0+2
SEC 068	Repairs & Maintenance of Plant Protection Equipment.	0+2
SEC 069	Seed Processing Technology	0+2
SEC 070	Seed Production Technology	0+2
SEC 071	Sericulture	0+2
SEC 072	Soil, Plant, Water, Manure Testing	0+2
SEC 073	Specialty Seedling Production	0+2
SEC 074	Surveying	0+2
SEC 075	Timber Conversion	0+2
SEC 076	Tools for Consulting Forester's	0+2
SEC 077	Urban Forestry Designing & Training	0+2
SEC 078	Value Addition of NTFPs	0+2
SEC 079	Wild and Commercial Beekeeping	0+2
SEC 080	Wild life forensic Science	0+2
SEC 081	Wildlife Photography	0+2
SEC 082	Wood Carving Through CNC Technology	0+2
SEC 083	Wood lot Establishment and Management	0+2
SEC 084	Wood Mechanics	0+2
SEC 085	Wood Seasoning and Preservation Technology	0+2
SEC 086	Wood Working & Carpenterary	0+2

SEC 087	Wood Working and Carpentry
SEC 088	Zoo Management

0+2
0+2

SEC courses to be selected from the list of SEC courses (**Each Department can add Elective and skill courses with the approval of BoS**)


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