### **VISVA-BHARATI**

## **ORDINANCE**

# B. Sc. (Ag.) Honours Course

- 1. There shall be a course of studies in Agriculture for the Honours Degree of Bachelor of Science in Agriculture B. Sc. (Ag.) Hons. at Palli Siksha Bhavana (Institute of Agriculture), the duration of which shall be of four years consisting of eight semesters. This course of studies will consist of six semesters of intramural teaching followed by one semester of Experiential Learning and another semester of Rural Awareness Work Experience (RAWE). The maximum allowable semesters for completion of B. Sc. (Ag.) Hons. course are sixteen (16).
- 2. The system, called the 'Course credit and semester', accommodates the under-graduate course having eight semesters in four years. Usually, the 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semesters shall run in the first half of an academic year and 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> semesters shall run in the second half of the same academic year.
- 3. A candidate seeking admission to the B. Sc. (Ag.) Hons. shall produce a certificate that he/she has passed the two year Pre-Degree examination of Visva Bharati or an equivalent examination in general stream (science). To be eligible for admission a candidate must pass all the subjects at 10+2 examination with a combination of any four of the following subjects: Physics, Chemistry, Mathematics, Biology and Agronomy. However, for ICAR nominated candidates, the eligibility criteria adopted by ICAR will be followed as such.
- 4. Candidates admitted to the B. Sc. (Ag.) Hons course shall abide by the regulations regarding the courses curricula and the academic standards as prescribed by the University from time to time.
- 5. Students for the B. Sc. (Ag.) Hons. degree shall have to pass all the fixed and choice based courses of studies.
- 6. There will be a 10 point grading system of evaluation with grade point (GP) equal to percentage of marks obtained divided by 10.
- 7. There will be two types of courses- "credit course" and "non-credit course". Grade point obtained only in credit courses will be considered for the classification of results but marks/grade obtained in non-credit courses (e.g. Tagore Studies, Environmental Studies, etc) will not be considered for classification of results. Further, in credit courses there will be five types of courses- "Only theory course", "Only practical course", "Composite course", "Experiential Learning course" and "RAWE course". The composite course will consist of both theory and practical components.
- 8. One credit indicates one hour lecture or two hours laboratory practical or three hours field work per week.
- 9. Each course, except RAWE and Experiential Learning, bears a distinguishing code (three letters and three digits) which identifies the discipline, academic year and semester, respectively. The numbering system is as follows: The three letters stand for the concerned disciplines. The 1<sup>st</sup> digit indicates the academic year (1, 2, 3 or 4), the 2<sup>nd</sup> digit indicates the semester within the academic year (1 or 2) and the 3<sup>rd</sup> digit denotes the number of courses offered from the same discipline within a semester.
- 10. Semester wise distribution of courses and credit hours are given below.

Course	Name of the course		Course structure (credits)			
Code		Theory Practical				
	Semester I					
ACB 111	Biochemistry	2	1	3		
AGR 111	Introductory Agriculture	1	0	1		
AGR 112	Principles of Agronomy and Agricultural Meteorology	2	1	3		
CMA111	Introduction to Computer and Applications	0	2	2		
HOR 111	Production Technology of Fruit Crops	2	1	3		
PPC 111	Agricultural Microbiology	2	1	3		
SSC 111	Introduction to Soil Science	2	1	3		
	Total (7)	· 11	7	18		

Semester II

	Semester II			
AEC 121	Principles of Agricultural Economics	2	0	2
	Fundamentals of Soil Water Conservation Engineering	2	1	3
	Water Management including Micro-irrigation	2	1	3
	Live Stock Production and Management	2	1	3
		2	1	3
	Crop Physiology		1	
	Production Technology of Vegetables and Flowers	2	1	3
	Introductory Nematology	1	1	2
SSC 121	Soil Chemistry, Soil Fertility and Nutrition Management	2	1	_ 3
	<b>Total (8)</b>	15	7	22
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	Semester III			
AEC 211	Agricultural Finance and Co-operation	1	1	2
	•			
	Insect Morphology and Systematics	2	1	3
	Fundamentals of Rural Sociology and Educational Psychology	2	0	2
	Weed Management	1	1	2
AGR 212	Field Crops I (Kharif)	2	1	3
GPB 211	Principles of Genetics	2	1	3
PPC 211	Plant Pathogens and Principles of Plant Pathology	3	1	4
	Manures, Fertilizers and Agro-chemicals	2	1	3
550 211	Total (8)	15	7	
		13	. ,	
	G			
<del>1.</del>	Semester IV			
AEC 221	Agricultural Marketing, Trade and Prices	1	1	2
	Farm Power and Machinery	1	1	2
AEN 221	Insect Ecology and Integrated Pest management (including			
	Beneficial Insect)	2	1	3
AEX 221	Dimensions of Agricultural Extension	1	1	2
	Field Crops II (Rabi)	2	1	3
	Principles of Plant Breeding	2	1	3
		2	1	3
	Production Technology of Spices, Aromatic, Medicinal and		1	
HOR 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops	2	1	3
	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops <u>Diseases of Field Crops and their Management</u>	2 2	. 1	3 3
HOR 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops	2	1 1 1 8	3
HOR 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops <u>Diseases of Field Crops and their Management</u> Total (8)	2 2	. 1	3 3
HOR 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops <u>Diseases of Field Crops and their Management</u>	2 2	. 1	3 3
HOR 221 PPC 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops <u>Diseases of Field Crops and their Management</u> Total (8)	2 2	. 1	3 3
HOR 221 PPC 221	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product	2 2	. 1	3 3
HOR 221 PPC 221 AEC 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)	2 2 13	1 8	3 3 21
HOR 221 PPC 221 AEC 311 AEG 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology	2 2 13	1 8	3 3 21
HOR 221 PPC 221 AEC 311 AEG 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural	2 2 13	1 8	3 3 21
AEC 311 AEG 311 AEX 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies	2 2 13	1 8 1 1	2 2 2
AEC 311 AEG 311 AEX 311 AGR 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming	2 2 13	1 8 1 1 1	2 2 2 2 3
AEC 311 AEG 311 AEG 311 AGR 311 AGR 312	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)	2 2 13 1 1 1 2 0	1 8 1 1	2 2 2 3 1
AEC 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics	2 2 13 1 1 1 2 0 2	1 1 1 1 1 1	2 2 2 3 1 3
AEC 311 AEG 311 AEX 311 AGR 311 AGR 312 AST 311 GPB 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology	2 2 13 1 1 1 2 0 2 2	1 8 1 1 1	2 2 2 3 1 3 3
AEC 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics	2 2 13 1 1 1 2 0 2	1 1 1 1 1 1	2 2 2 3 1 3
AEC 311 AEG 311 AEX 311 AGR 311 AGR 312 AST 311 GPB 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management	2 2 13 1 1 1 2 0 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 3 1 3 3 3
AEC 311 AEG 311 AEX 311 AGR 311 AGR 312 AST 311 GPB 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology	2 2 13 1 1 1 2 0 2 2	1 1 1 1 1 1	2 2 2 3 1 3 3
AEC 311 AEG 311 AEX 311 AGR 311 AGR 312 AST 311 GPB 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)	2 2 13 1 1 1 2 0 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 3 1 3 3 3
AEC 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)	2 2 13 1 1 1 2 0 2 2 2 2 11	1 8 1 1 1 1 1 1 1 8	2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management	2 2 13 1 1 1 2 0 2 2 2 2 11	1 1 1 1 1 1 1 1 1 8 8 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management  Renewable Energy	2 2 13 1 1 1 2 0 2 2 2 2 11	1 8 1 1 1 1 1 1 1 8	2 2 2 2 3 1 3 3 3 19
AEC 311 AGR 311 AGR 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321 AEG 321 AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management  Renewable Energy  Crop Pests and Stored Grain Pests and their Management	2 2 13 1 1 1 2 0 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321 AEG 321 AEN 321 AEX 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management  Renewable Energy  Crop Pests and Stored Grain Pests and their Management  Entrepreneurship Development and Communication Skill	2 2 13 1 1 1 2 0 2 2 2 2 11	1 1 1 1 1 1 1 1 1 8 8 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321 AEG 321 AEG 321 AEG 321 AEG 321 AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management  Renewable Energy  Crop Pests and Stored Grain Pests and their Management  Entrepreneurship Development and Communication Skill  Farming System and Sustainable Agriculture	2 2 13 1 1 1 2 0 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321 AEG 321 AEG 321 AEG 321 AEG 321 AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural  Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management  Renewable Energy  Crop Pests and Stored Grain Pests and their Management  Entrepreneurship Development and Communication Skill	2 2 13 1 1 1 2 0 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 312 AST 311 GPB 311 PPC 311  AEC 321 AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management Renewable Energy  Crop Pests and Stored Grain Pests and their Management Entrepreneurship Development and Communication Skill Farming System and Sustainable Agriculture Practical crop Production-II (Rabi)	2 2 13 1 1 1 2 0 2 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 312 AST 311 GPB 311 PPC 311  AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management Renewable Energy  Crop Pests and Stored Grain Pests and their Management Entrepreneurship Development and Communication Skill Farming System and Sustainable Agriculture Practical crop Production-II (Rabi) Breeding of Field and Horticultural Crops	2 2 13 1 1 1 2 0 2 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19
AEC 311 AEG 311 AEG 311 AEG 311 AGR 312 AST 311 GPB 311 PPC 311  AEG 321	Production Technology of Spices, Aromatic, Medicinal and Plantation Crops  Diseases of Field Crops and their Management  Total (8)  Semester V  Fundamentals of Farm Business Management (including Product development, Appraisal and Monitoring)  Protected Cultivation and Post Harvest Technology  Extension Methodologies for Transfer of Agricultural Technologies  Organic Farming  Practical Crop Production- I (Kharif)  Statistics  Principles of Plant Biotechnology  Diseases of Horticultural Crops and their Management  Total (8)  Semester VI  Production Economics and Farm Management Renewable Energy  Crop Pests and Stored Grain Pests and their Management Entrepreneurship Development and Communication Skill Farming System and Sustainable Agriculture Practical crop Production-II (Rabi)	2 2 13 1 1 1 2 0 2 2 2 2 2 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 3 1 3 3 3 19

SST 321	Principles of Seed Tec	hnology	2	1	3
		Total (9)	11	9	20
		Semester VII			
EL	Experiential Learning				20-23
		Total			20-23
		Semester VIII			
RAWE (	01 Crop Production		0	5	5
RAWE (	02 Crop Protection		0	4	4
RAWE (	03 Rural Economics		0	3	3
RAWE (	04 Extension Programme		0	4	4
		K / DAATT Center Activities and			
	Attachment to the Agre	o-based Industries	0	4	_ 4
		Total	0	20	20
	GRA	AND TOTAL		162-165	

		j
11. The courses for Experiential Learning will normally be offered in S	Samester VIII and courses for PAV	MF in
11. The courses for Experiential Learning will normally be offered in a	semester vir and courses for ixa v	<b>V</b> L 111

Semester VIII. However, courses under these two semesters may be interchanged if situation arises. Moreover, Experiential Learning and RAWE Programmes will be conducted as per guidelines of ICAR.

- 12. A student has to register at least 20 credits, with major load of minimum 14 credits from one module and/or rest from among one/two module for Experiential Learning. However, the total load for Experiential Learning should not exceed 23 credits.
- 13. Various courses under different modules of Experiential Learning to be offered in a particular academic year will be decided by the concerned HODs in consultation with the Adhayaksha, as par facilities available.
- 14. The students will have to submit to the Adhayaksha their choice, in writing, for different courses under Experiential Learning from among the offered courses before the commencement of the semester for Experiential Learning. The distribution of various courses of Experiential Learning under different modules shall be as follows:

Module	Course Code	Course Title	Course	e structure (	credits)
Crop			Theory	Practical	Total
Production	ELCP01	Seed Production Technology	2	2	4
	ELCP02	Integrated Farming Systems	1	2	3
	ELCP03	Water Management (Watershed, Micro	1	3	4
		Irrigation, Problematic Water)			
	ELCP04	Integrated Nutrient Management	2	1	3
	ELCP05	Soil Management (Conservation,	1	2	3
		Problematic Soil, and Soil Quality)			
	ELCP06	Remote Sensing and Geographical	2	1	3
	Information System for Natural Resource				
Management and Land Use Planning					
	ELCP07	Farm Mechanization	1	2	3
		Total (7)	10	13	23
Crop	ELCPT01	Integrated pests and disease management	2	2	4
Protection	ELCPT02	Stored Grain Pests and Their Management	1	1	2
	ELCPT03	Industrial Entomology (Apiculture,			
		Sericulture & Lac Culture)	2	1	3
	ELCPT04	Bio-control of Insect Pests	1	1	2
	ELCPT05	Insecticides and Plant Protection Appliances	2	1	3
	ELCPT06	Postharvest Diseases and their Management	2	1	3

	ELCPT07	Mushroom cultivation	1	2	3
	ELCPT08	Biological control of plant diseases and			
		mass multiplication microbial biocontrol			
		agents	1	2	3
	ELCPT09	Phytosanitation and Quarantine	1	1	2
	ELCPT10	Fungicides in plant disease management	2	1	3
		Total (10)	16	12	28
Agri-	ELABM 01	Introduction to Agri-Business Management	1	2	3
Business Management	ELABM 02	Information Communication Management	2	1	3
Management	ELABM 03	Organization Behaviour and Human			
		Resource Management	2	1	3
	ELABM 04	Management of Agro-based industry	1	2	3
	ELABM 05	Marketing Management	1	2	3
	ELABM 06	Financial Management of Agri-Business	1	2	3
	ELABM 07	Natural Resources Economics and			
		Management	1	2	3
	ELABM 08	Project formulation, Evaluation and			
		Monitoring	1	2	3
	ELABM 09	International Trade and Indian Agri-			
		Business	2	2	4
		Total (9)	12	16	28
Social	ELSS 01	Agricultural Journalism	2	1	3
Science	ELSS 02	Visuals and Graphic Communications	2	1	3
	ELSS 03	Project Development, Appraisal and			
		Monitoring	1	2	3
	ELSS 04	Emerging Trends in Agricultural Extension	1	1	2
	ELSS 05	International Trade	1	2	3
	ELSS 06	Government Policies and Programmes			
		Related to Agriculture	1	2	3
	ELSS 07	Livestock, Poultry and Fish Marketing	2	2	4
	ELSS 08	Farm Planning and Budgeting	1	2	3
	ELSS 09	Multimedia Technologies	2	1	3
	ELSS 10	Behavioral Skills	2	1	3
		Total (10)	15	15	30
Horticulture	ELHOR 01	Commercial vegetable production	1	3	4
	ELHOR 02	Commercial flower production and	1	3	4
		landscaping			
	ELHOR 03	Commercial fruit production	1	3	4
	ELHOR 04	Nursery management of horticultural crops	1	3	4
	ELHOR 05	Post harvest technology of horticultural	1	3	4
		crops			
		Total (5)	5	15	20
Basic	ELBS 01	Techniques in Genetics and Plant Breeding	3	1	4
Science	ELBS 02	Plant Tissue Culture	1	2	3
	ELBS 03	Breeding for Biotic and Abiotic Stresses	2	1	3
	ELBS 04	Molecular Diagnostics	2	1	3
	ELBS 05	Bioinformatics	2	1	3
	ELBS 06	Diagnostic Physiology	1	2	3
	ELBS 07	Plant Growth Regulators	2	1	3
	ELBS 08	Biochemical Techniques	1	2	3
	ELBS 09	Pesticides and Techniques of Residue	1	2	3
		Analysis in Agriculture			
		Total (9)	15	13	28

Animal	ELANS 01	Commercial Poultry Production and	1	2	3
Science		Management			
	ELANS 02	Animal Production and Management	1	2	3
	ELANS 03	Disease Diagnosis and Management	1	2	3
	ELANS 04	Small Ruminants, Pig Production and	1	2	3
		Management			
	ELANS 05	Duck Keeping and Pisiculture	1	2	3
	ELANS 06	Livestock Production with Mixed Farming	1	2	3
		Concept			
		Total (6)	6	12	18

- 15. The Foundation course on Tagore Studies (Rabindra Charcha) and Environmental Studies will be non-credit courses. The classes and examinations of these two courses will be governed by the University Ordinance. No separate mark sheet will be issued for these courses.
- 16. The duration for semester terminal examination of different courses shall be as follows:

a. Theory courses: 2 hours

b. Practical courses: 3 hours or more

c. Experiential Learning: 4 hours or more

d. RAWE' courses: 3 hours or more

- 17. Semester terminal examinations for Semester- I, III, V and VII shall normally be held in the first half of December while that for Semester II, IV, VI and VIII shall normally be held in the first half of May in every academic year.
- 18. There will be a 10 point grading system with a minimum Grade Point (GP) of 5.00 for passing a course and an Overall Grade Point Average (OGPA) of 5.00 for completing the degree programme. A candidate failing to obtain minimum GP (5.00) in not more than three courses, in a semester, will be allowed to repeat the examination of the course(s) concerned not more than three times in next available semester. A candidate failing in more than three courses, in a semester, has to repeat the semester. But in both the cases he/she has to complete the degree programme including all the repeat courses within the maximum allowable semesters i.e., 16 semesters.
- 19. There shall be the provision for review system for Semester Terminal Examination (Theory). The reevaluation will be done internally. The Joint Board of Studies (Jt. BOS) will recommend the name of two members of which one member should be the Principal or his nominee and the other member from the concerned/related subject within the Bhavana or University. In any case, the first examiner should not be the member of the review examination board.
- 20. (i). The results of the B. Sc. (Ag.) Hons degree shall be declared on the basis of the OGPA obtained in eight semesters taken together. The classification of results will be as follows:

First Class : OGPA 7.0 and above Second Class : OGPA 5.0 to below 7.0

- ii. A candidate failing to obtain a minimum OGPA of 5.00 will not be considered for the award of the degree and shall be declared as failed.
- iii. The conversion formula will be 'Percent of Marks = 10xOGPA'
- 21. All the students shall be required to register themselves as per University norms. Each student shall submit a roster in the prescribed form indicating the courses to the Adhakshya, Palli Siksha Bhavana in each semester.

- 22. The students seeking admission to each Semester Terminal Examination of the B. Sc. (Ag.) Hons. course shall:
  - i. Produce a certificate from the Adhyaksha, Palli Siksha Bhavana that he/she has attended at least 75% of the in –campus classes in each semester. However, relaxation allowed (if any) will be guided by the University Ordinance.
  - ii. Produce a certificate from the Adhyaksha, Palli Siksha Bhavana that his/her conduct has been good and that he/she is a fit and proper candidate for the examination; and
  - iii. Pay examination fees, decided by the University.

# 23. Conditions for repeating the semester

If a student drops a semester for exigencies beyond his/her control or, otherwise, he/she will be allowed to repeat the semester in the available semester only after VII<sup>th</sup> Semester as mentioned below.

<u>Dropped Semester</u>	<u>Allowed to repeat</u>
I, III, V, VII	After VIII Semester
II, IV, VI	After VII Semester
VIII	Next available semester

However, he/she has to complete all the courses within the maximum allowable semesters i.e., 16 semesters.

- 24. The medium of instruction and examination shall be English
- 25. The distribution of marks in 'Only theory courses', 'Only practical courses', 'Composite courses', courses under 'Experiential Learning', and 'RAWE' programmes of the B. Sc. (Ag.) Hons. shall be as follows:

A.	For 'Onl	y theory courses':		
		Semester Terminal Examination	:	60
		Internal Assessment	:	40
		Total		100
В.	For 'Onl	y practical courses'(other than RAWE)	:	
	·	Semester Terminal Examination (Records and Viva-voce =40)	:	100
		Total		100
C.	For 'Con	nposite courses': Theory: Practical		=60:40
		Semester Terminal Examination (Theor	y)	: 40
		Internal Assessment (Theory)	•	: 20
		Semester Terminal Examination (Practic (Records and Viva-voce= 10)	cal)	: 40
		Total		: 100
D.	For 'Ex	periential Learning' courses:		
		Internal Assessment (Theory)		: 40
		Semester Terminal Examination (Practic	cal)	: 60
		(Records and Viva-voce= 20)		
		Total		100
E.	For 'RA	AWE'courses:		
		Semester Terminal Examination		: 60
		Internal Assessment		: 40
		Total		100

- 26. There shall be a Course Leader in each course who besides teaching the course will co-ordinate various activities of the particular course. The Adhakshya, Palli Siksha Bhavana will nominate the Course Leaders in consultation with concerned Head of the Departments.
- 27. There shall be a UG Course Coordinator who will co-ordinate various activities of the B. Sc. (Ag.) Hons Programme. In addition to the UG Course Coordinator, there shall be one RAWE Coordinator who will co-ordinate RAWE programmes and other out campus activities in consultation with the Adhakshya, Palli Siksha Bhavana and the UG Course Coordinator. The Adhakshya, Palli Siksha Bhavana will nominate the UG Course Coordinator and RAWE Coordinator in consultation with concerned Head of the Departments.

#### 28. Paper setting and evaluation of semester terminal examinations:

Question papers for at least fifty percent of the courses in each semester will be set and evaluated externally, but practical part of these courses will be jointly conducted and evaluated by both external and internal members. Question papers for rest of the courses will be set and evaluated by internal members. Semester terminal examination of RAWE courses will be jointly conducted and evaluated by both internal and external members.

- 29. Moderation of question papers for the semester terminal theory examinations shall be done by a committee appointed as per university rules excluding the external moderator(s).
- 30. In the event of the External Examiner failing to turn up for the practical examination, Adhakshya, Palli Siksha Bhavana, or his nominee may act as an examiner in place of the External Examiner with intimation to the Deputy Registrar (Exam.).