

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**I YEAR: I SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1	BAG1701	Fundamentals of Horticulture	1	0	1	35	50	10	5	2
2	BAG1702	Agri-Informatics	1	0	1	35	50	10	5	2
3	BAG1703	Fundamentals of Soil Science	2	0	1	35	50	10	5	3
4	BAG1704	Introduction to Forestry	1	0	1	35	50	10	5	2
5	BHU1703	Comprehension and Communication Skills in English	1	0	1	35	50	10	5	2
6	BAG1705	Fundamentals of Agronomy	3	0	1	35	50	10	5	4
7	BAG1706/ BMA1009	Introductory Biology* /Elementary Mathematics *	1/2	0	1/0	35/5 0	50/5 0	10/0	5/0	2* / 2*
8	BAG1001	Agricultural Heritage*	1	0	0	50	50	0	0	1*
9	BHU1024	Rural Sociology and Educational Psychology	2	0	0	50	50	0	0	2
10	BAG1502	Work Programme	0	0	1	0	0	80	20	1
11	BHU1025	Human Values and Ethics (Non Gradual)	1	0	0	50	50	0	0	1**
12	<b>Choice based extracurricular development</b>		0	0	2	0	0	100	0	2**
	BAG1501A	NSS								
	BAG1501B	NCC								
	BAG1501C	Physical Education and Yoga Practices**								
<b>TOTAL</b>			<b>14/2</b>	<b>0</b>	<b>10/0</b>	<b>395/50</b>	<b>500/50</b>	<b>250/0</b>	<b>55/0</b>	<b>18+03*+03**=24</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**I YEAR: II SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG2701	Fundamentals of Genetics	2	0	1	35	50	10	5	3
2.	BAG2702	Agricultural Microbiology	1	0	1	35	50	10	5	2
3.	BAG2703	Soil and Water Conservation Engineering	1	0	1	35	50	10	5	2
4.	BAG2704	Fundamentals of Crop Physiology	1	0	1	35	50	10	5	2
5.	BAG2001	Fundamentals of Agricultural Economics	2	0	0	50	50	0	0	2
6.	BAG2705	Fundamentals of Plant Pathology	3	0	1	35	50	10	5	4
7.	BAG2706	Fundamentals of Entomology	3	0	1	35	50	10	5	4
8.	BAG2707	Fundamentals of Agricultural Extension Education	2	0	1	35	50	10	5	3
9.	BAG2708	Communication Skills and Personality Development	1	0	1	35	50	10	5	2
<b>TOTAL</b>			<b>16</b>	<b>0</b>	<b>8</b>	<b>330</b>	<b>450</b>	<b>80</b>	<b>40</b>	<b>24(16+8)</b>

L - Lecture

T - Tutorial

P - Practical

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ESE-End Semester Exam

C - Credit

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**II YEAR: III SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG3701	Crop Production Technology – I (Kharif Crops)	1	0	1	35	50	10	5	2
2.	BAG3702	Fundamentals of Plant Breeding	2	0	1	35	50	10	5	3
3.	BAG3703	Agricultural Finance and Cooperation	2	0	1	35	50	10	5	3
4.	BAG3704	Fundamentals of Plant Biochemistry and Biotechnology	2	0	1	35	50	10	5	3
5.	BAG3705	Farm Machinery and Power	1	0	1	35	50	10	5	2
6.	BAG3706	Production Technology for Vegetables and Spices	1	0	1	35	50	10	5	2
7.	BAG3707	Environmental Studies and Disaster Management	2	0	1	35	50	10	5	3
8.	BMA3701	Statistical Methods	1	0	1	35	50	10	5	2
9.	BAG3708	Livestock and Poultry Management	3	0	1	35	50	10	5	4
<b>TOTAL</b>			<b>15</b>	<b>0</b>	<b>9</b>	<b>315</b>	<b>450</b>	<b>90</b>	<b>45</b>	<b>24(15+9)</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**II YEAR: IV SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG4701	Crop Production Technology –II (Rabi Crops)	1	0	1	35	50	10	5	2
2.	BAG4702	Production Technology for Ornamental Crops, MAP and Landscaping	1	0	1	35	50	10	5	2
3.	BAG4703	Renewable Energy and Green Technology	2	0	1	35	50	10	5	3
4.	BAG4001	Problematic Soils and their Management	1	0	0	50	50	0	0	1
5.	BAG4704	Production Technology for Fruit and Plantation Crops	1	0	1	35	50	10	5	2
6.	BAG4705	Principles of Seed Technology	1	0	2	35	50	10	5	3
7.	BAG4002	Farming System and Sustainable Agriculture	1	0	0	50	50	0	0	1
8.	BAG4706	Agricultural Marketing Trade and Prices	2	0	1	35	50	10	5	3
9.	BAG4707	Introductory Agro-meteorology and Climate Change	1	0	1	35	50	10	5	2
10.	-----	Elective Course-I	2	0	1	35	50	10	5	3
<b>TOTAL</b>			<b>13</b>	<b>0</b>	<b>9</b>	<b>380</b>	<b>500</b>	<b>80</b>	<b>40</b>	<b>22(13+9)</b>

L - Lecture

T - Tutorial

P - Practical

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ESE-End Semester Exam

C - Credit

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**III YEAR: V SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG5701	Principles of Integrated Pest and Disease Management	2	0	1	35	50	10	5	3
2.	BAG5702	Manures, Fertilizers and Soil Fertility Management	2	0	1	35	50	10	5	3
3.	BAG5703	Pests of Crops and Stored Grain and their Management	2	0	1	35	50	10	5	3
4.	BAG5704	Diseases of Field and Horticultural Crops and their Management -I	2	0	1	35	50	10	5	3
5.	BAG5705	Crop Improvement-I ( <i>Kharif Crops</i> )	1	0	1	35	50	10	5	2
6.	BAG5706	Entrepreneurship Development and Business Communication	1	0	1	35	50	10	5	2
7.	BAG5707	Geoinformatics and Nano-technology and Precision Farming	1	0	1	35	50	10	5	2
8.	BAG5501	Practical Crop Production – I ( <i>Kharif crops</i> )	0	0	2	0	0	80	20	2
9.	BAG5001	Intellectual Property Rights	1	0	0	50	50	0	0	1
10.	-----	Elective Course-II	2	0	1	35	50	10	5	3
<b>TOTAL</b>			<b>14</b>	<b>0</b>	<b>10</b>	<b>330</b>	<b>450</b>	<b>160</b>	<b>60</b>	<b>24(14+10)</b>

L - Lecture

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**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**III YEAR: VI SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG6701	Rain fed Agriculture and Watershed Management	1	0	1	35	50	10	5	2
2.	BAG6702	Protected Cultivation and Secondary Agriculture	1	0	1	35	50	10	5	2
3.	BAG6703	Diseases of Field and Horticultural Crops and their Management-II	2	0	1	35	50	10	5	3
4.	BAG6704	Post-harvest Management and Value Addition of Fruits and Vegetables	1	0	1	35	50	10	5	2
5.	BAG6705	Management of Beneficial Insects	1	0	1	35	50	10	5	2
6.	BAG6706	Crop Improvement-II ( <i>Rabi crops</i> )	1	0	1	35	50	10	5	2
7.	BAG6501	Practical Crop Production –II ( <i>Rabi crops</i> )	0	0	2	0	0	80	20	2
8.	BAG6707	Principles of Organic Farming	1	0	1	35	50	10	5	2
9.	BAG6708	Farm Management, Production and Resource Economics	1	0	1	35	50	10	5	2
10.	BAG6001	Principles of Food Science and Nutrition	2	0	0	50	50	0	0	2
11.	-----	Elective Course-III	2	0	1	35	50	10	5	3
<b>TOTAL</b>			<b>13</b>	<b>0</b>	<b>11</b>	<b>365</b>	<b>500</b>	<b>170</b>	<b>65</b>	<b>24(13+11)</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

**STUDY & EVALUATION SCHEME**  
**B.SC. (HONS) AGRICULTURE**  
**IV YEAR: VII SEMESTER**

VII SEMESTER			
S. NO.	RURAL AGRICULTURAL WORK EXPERIENCE AND AGRO-INDUSTRIAL ATTACHMENT (RAWE AND AIA)-BAG-7501(PRACTICAL)		
	ACTIVITIES	NO. OF WEEKS	CREDIT HOURS
1	General orientation and On campus training by different faculties	1	14
2	Village attachment	8	
	Unit attachment in Univ./ College. KVK/ Research Station Attachment	5	
3	Plant clinic	2	02
	Agro-Industrial Attachment	3	04
4	Project Report Preparation, Presentation and Evaluation	1	
<b>TOTAL WEEKS FOR RAWE AND AIA</b>		<b>20</b>	<b>20</b>

S. NO.	COURSE CODE	COURSE TITLE	CREDITS PER WEEK			CREDITS
			L	T	P	
1	BAG7502	Educational Tour	0	0	2	2
<b>Total</b>						<b>22</b>

- Agro- Industrial Attachment: The students would be attached with the agro-industries for a period of 3 weeks to get an experience of the industrial environment and working.
- **RAWE Component-I**
- **Village Attachment Training Programme**

S. NO.	ACTIVITY	DURATION
1	Orientation and Survey of Village	1 week
2	Agronomical Interventions	1 week
3	Plant Protection Interventions	1 week
4	Soil Improvement Interventions (Soil sampling and testing)	1 week
5	Fruit and Vegetable production interventions	1 week
6	Food Processing and Storage interventions	1 week
7	Animal Production Interventions	1 week
8	Extension and Transfer of Technology activities	1 week

## **RAWE COMPONENT–II AGRO INDUSTRIAL ATTACHMENT**

- Students shall be placed in Agro-and Cottage industries and Commodities Boards for 03 weeks.
- Industries include Seed/Sapling production, Pesticides-insecticides, Postharvest-processing- value addition, Agri-finance institutions, etc.

### **ACTIVITIES AND TASKS DURING AGRO-INDUSTRIAL ATTACHMENT PROGRAMME**

- Acquaintance with industry and staff
- Study of structure, functioning, objective and mandates of the industry
- Study of various processing units and hands-on trainings under supervision of industry staff
- Ethics of industry
- Employment generated by the industry
- Contribution of the industry promoting environment
- Learning business network including outlets of the industry
- Skill development in all crucial tasks of the industry
- Documentation of the activities and task performed by the students
- Performance evaluation, appraisal and ranking of students

### **EVALUATION**

#### **INTERNAL EVALUATION (100 MARKS)**

The above mentioned RAWE programme conducted under the supervision of concerned faculty members and would be evaluated by the 3 internal faculty members.

<b>COURSE CODE</b>	<b>EVALUATION</b>
BAG7502	Evaluation of educational tour will be done as satisfactory and unsatisfactory after the report of submission and presentation within due time period



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**IV YEAR: VII SEMESTER**

S.NO.	COURSE CODE	COURSE TITLE	CREDIT PER WEEK			THEORY		PRACTICAL		CREDITS
			L	T	P	CIE	ESE	CIE	ESE	
1.	BAG8501	Production Technology for Bio agents and Bio fertilizer	0	0	10	0	0	100	0	10
2.	BAG8502	Seed Production and Technology	0	0	10	0	0	100	0	10
3.	BAG8503	Mushroom Cultivation Technology	0	0	10	0	0	100	0	10
4.	BAG8504	Soil, Plant, Water and Seed Testing	0	0	10	0	0	100	0	10
5.	BAG8505	Commercial Beekeeping	0	0	10	0	0	100	0	10
6.	BAG8506	Poultry Production Technology	0	0	10	0	0	100	0	10
7.	BAG8507	Commercial Horticulture	0	0	10	0	0	100	0	10
8.	BAG8508	Floriculture and Landscaping	0	0	10	0	0	100	0	10
9.	BAG8509	Food Processing	0	0	10	0	0	100	0	10
10.	BAG8510	Agriculture Waste Management	0	0	10	0	0	100	0	10
11.	BAG8511	Organic Production Technology	0	0	10	0	0	100	0	10
12.	BAG8512	Commercial Sericulture	0	0	10	0	0	100	0	10
<b>TOTAL</b>			<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>1200</b>	<b>0</b>	<b>120</b>

- A student has to register 20 credits opting for two modules of 10 credits each (total 20 credits) from the package of modules in the VIII semester

**Evaluation**

- Internal Evaluation (100 marks)
- The above courses are conducted under the supervision of 4 faculty members and by the attached unit.

## Evaluation

S. NO.	DESCRIPTION	MARKS
<b>PRE FINAL EXAMINATION</b>		
<b>1</b>	Business Planning and Designing	05
<b>2</b>	Planning for Production	05
<b>3</b>	Organization of production, quality and schedule adherence	15
<b>4</b>	Written Examination	20
<b>5</b>	Student performance (class assessment, regularity etc.)	05
	<b>SUB TOTAL A</b>	50
<b>FINAL EXAMINATION</b>		
<b>6</b>	Report writing and records	20
<b>7</b>	Oral examination or Power point Presentation	30
	<b>SUB TOTAL B</b>	50
	<b>TOTAL ( A+B)</b>	<b>100</b>

**LIST OF SUBJECT ELECTIVES IV, V AND VI SEMESTER**

S. NO.	COURSE	BRANCH	YEAR/SEMESTER	SUBJECT CODE	SUBJECT-NAME	CREDIT PER WEEK			CREDIT
						L	T	P	
1	B.Sc. (H.) Ag	Agriculture	4 <sup>th</sup> Semester	BAG4101	Agri- business Management	2	0	1	3
2	B.Sc. (H.) Ag	Agriculture	4 <sup>th</sup> Semester	BAG4102	Agrochemicals	2	0	1	3
3	B.Sc. (H.) Ag	Agriculture	4 <sup>th</sup> Semester	BAG4103	Commercial Plant Breeding	1	0	2	3
4	B.Sc. (H.) Ag	Agriculture	4 <sup>th</sup> Semester	BAG4104	Landscaping	2	0	1	3
5	B.Sc. (H.) Ag	Agriculture	5 <sup>th</sup> Semester	BAG5101	Food safety and standards	2	0	1	3
6	B.Sc. (H.) Ag	Agriculture	5 <sup>th</sup> Semester	BAG5102	Bio pesticides and Bio fertilizers	2	0	1	3
7	B.Sc. (H.) Ag	Agriculture	5 <sup>th</sup> Semester	BAG5103	Protected Cultivation	2	0	1	3
8	B.Sc. (H.) Ag	Agriculture	5 <sup>th</sup> Semester	BAG5104	Micro Propagation Technologies	1	0	2	3
9	B.Sc. (H.) Ag	Agriculture	6 <sup>th</sup> Semester	BAG6101	Hi-tech Horticulture	2	0	1	3
10	B.Sc. (H.) Ag	Agriculture	6 <sup>th</sup> Semester	BAG6102	Weed Management	2	0	1	3
11	B.Sc. (H.) Ag	Agriculture	6 <sup>th</sup> Semester	BAG6103	System Simulation and Agro-advisory	2	0	1	3
12	B.Sc. (H.) Ag	Agriculture	6 <sup>th</sup> Semester	BAG6104	Agricultural Journalism	2	0	1	3