

## School of Agriculture, Galgotias University

Programme Structure – B.Sc. (Hons.) Agriculture

**Total Credits - 183**

### First Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA101B	Fundamentals of Horticulture	1	0	2	2
2.	A1UA102B	Fundamentals of Plant Biochemistry and Biotechnology	2	0	2	3
3.	A1UA205B	Fundamentals of Soil Science	2	0	2	3
4.	A1UA104B	Introduction to Forestry	1	0	2	2
5.	K1UC123B	Comprehension and Communication Skills in English	1	0	2	2
6.	A1UA105B	Fundamentals of Agronomy	3	0	2	4
7.	C2UD123B	Introductory Biology*	1	0	2	2*
8.	C1UC121T	Elementary Mathematics*	2	0	0	2*
9.	A1UA202T	Agricultural Heritage*	1	0	0	1*
10.	K1UE121T	Rural Sociology & Educational Psychology	2	0	0	2
11.	K1UE122T	Human Values & Ethics ( <b>Non gradial</b> )	1	0	0	x
12.	L1UB120L	Physical Education & Yoga Practices ( <b>Non-gradial</b> )	0	0	4	x
		<b>Total</b>	<b>17</b>		<b>18</b>	<b>21</b>

### \*Remedial Courses

### Second Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA201B	Fundamentals of Genetics	2	0	2	3
2.	A1UA202B	Agricultural Microbiology	1	0	2	2
3.	A1UA203B	Soil and Water Conservation Engineering	1	0	2	2
4.	A1UA204B	Fundamentals of Crop Physiology	1	0	2	2
5.	A1UA201T	Fundamentals of Agricultural Economics	2	0	0	2
6.	A1UA103B	Fundamentals of Plant Pathology	3	0	2	4
7.	A1UA206B	Fundamentals of Entomology	3	0	2	4
8.	A1UA207B	Fundamentals of Agricultural Extension Education	2	0	2	3
9.	K1UC220B	Communication Skills and Personality Development	1	0	2	2
10.	A1UA208B	Food Processing and Safety Issues**	2	0	2	3**
		<b>Total</b>	<b>18</b>		<b>18</b>	<b>27</b>

### \*\* Minor

### Third Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA301B	Crop Production Technology – I (Kharif Crops)	1	0	2	2
2.	A1UA302B	Fundamentals of Plant Breeding	2	0	2	3
3.	A1UA304B	Agri- Informatics	1	0	2	2
4.	A1UA305B	Farm Machinery and Power	1	0	2	2
5.	A1UA306B	Production Technology for Vegetables and Spices	1	0	2	2
6.	A1UA307B	Environmental Studies and Disaster Management	2	0	2	3
7.	A1UA308B	Statistical Methods	1	0	2	2
8.	A1UA309B	Agricultural Finance and Cooperation	2	0	2	3
9.	A1UA303B	Livestock and Poultry Management	3	0	2	4
10.	A1UA311T	Fundamentals of Artificial Intelligence**	2	0	0	2**
		<b>Total</b>	<b>16</b>	<b>0</b>	<b>18</b>	<b>25</b>
		** Minor				

### Fourth Semester

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA401B	Crop Production Technology –II (Rabi Crops)	1	0	2	2
2.	A1UA402B	Production Technology for Ornamental Crops, MAP and Landscaping	1	0	2	2
3.	A1UA403B	Renewable Energy and Green Technology	1	0	2	2
4.	A1UA410B	Problematic Soils and their Management	2	0	0	2
5.	A1UA404B	Production Technology for Fruit and Plantation Crops	1	0	2	2
6.	A1UA405B	Principles of Seed Technology	1	0	4	3
7.	A1UA402T	Farming System & Sustainable Agriculture	1	0	0	1
8.	A1UA406B	Agricultural Marketing Trade & Prices	2	0	2	3

9.	A1UA407B	Introductory Agro meteorology & Climate Change	1	0	2	2
10.		<b>Elective Course 3 Credits</b>				3
		<b>Total</b>	<b>11</b>		<b>16</b>	<b>22</b>
<b>Fifth Semester</b>						
No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA503B	Principles of Integrated Pest and Disease Management	2	0	2	3
2.	A1UA504B	Manures, Fertilizers and Soil Fertility Management	2	0	2	3
3.	A1UA505B	Pests of Crops and Stored Grain and their Management	2	0	2	3
4.		Diseases of Field and Horticultural Crops and their Management – I	2	0	2	3
5.	A1UA506B	Crop Improvement-I (Kharif Crops)	1	0	2	2
6.	A1UA507B	Entrepreneurship Development and Business Communication	1	0	2	2
7.	A1UA502L	Practical Crop Production – I (Kharif crops)	0	0	4	2
8.	A1UA501T	Intellectual Property Rights	1	0	0	1
9.	A1UA509B	Geoinformatics and Nanotechnology and Precision Farming	1	0	2	2
10.		<b>Elective Course 3 Credits</b>				3
		<b>Total</b>	<b>12</b>		<b>18</b>	<b>24</b>
<b>Sixth Semester</b>						
No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA602B	Rainfed Agriculture & Watershed Management	1	0	2	2
2.	A1UA603B	Protected Cultivation and Secondary Agriculture	1	0	2	2
3.	A1UA604B	Diseases of Field and Horticultural Crops and their Management-II	2	0	2	3
4.	A1UA605B	Post-harvest Management and Value Addition of Fruits and Vegetables	1	0	2	2
5.	A1UA606B	Management of Beneficial Insects	1	0	2	2
6.	A1UA607B	Crop Improvement-II (Rabi crops)	1	0	2	2
7.	A1UA611L	Practical Crop Production –II (Rabi crops)	0	0	4	2
8.	A1UA608B	Principles of Organic Farming	1	0	2	2
9.	A1UA609B	Farm Management, Production & Resource Economics	1	0	2	2
10.	A1UA601T	Principles of Food Science and Nutrition	2	0	0	2
11.		<b>Elective Course 3 credits</b>				3
12.	A1UA612L	Educational Tour (Non-gradual)	0	0	4	x
		<b>Total</b>	<b>11</b>	<b>0</b>	<b>24</b>	<b>24</b>
<b>Seventh Semester</b>						
No.	Course Code	Title of the Course	No. of Weeks		Credit Hours	
1.	<b>AGRI4019</b>	<b>Rural Agricultural Work Experience and Agro-Industrial Attachment</b>	<b>20</b>		<b>20</b>	
		<b>Activities</b>				
1.		General orientation & On campus training by different faculties	1		<b>14</b>	
2.		Village attachment	8			
3.		Unit attachment in Univ./ KVK/ Research Station/Agro-Industrial Attachment	5			
4.		Plant clinic	2		<b>2</b>	
5.		Agro-Industrial Attachment	3		<b>3</b>	
6.		Project Report Preparation, Presentation and Evaluation	1		<b>1</b>	
		<b>Total</b>	<b>20</b>		<b>20</b>	
<b>Eighth Semester</b>						
<b>Module for Skill Development and Entrepreneurship: A student has to register 20 credits opting for two modules of (0+10) credits each (total 20 credits) from the package of modules in the VIII Semester.</b>						
No.	Course Code	Title of the Course	L	T	P	Credit

1.	AGRI4007	Mushroom Cultivation Technology	0	0	20	<b>10</b>
2.	AGRI4008	Seed Production and Technology	0	0	20	<b>10</b>
3.	AGRI4009	Production Technology for Bioagents and Biofertilizer	0	0	20	<b>10</b>
4.	AGRI4010	Soil, Plant, Water and Seed Testing	0	0	20	<b>10</b>
5.	AGRI4011	Commercial Beekeeping	0	0	20	<b>10</b>
6.	AGRI4012	Poultry Production Technology	0	0	20	<b>10</b>
7.	AGRI4013	Commercial Horticulture	0	0	20	<b>10</b>
8.	AGRI4014	Floriculture and Landscaping	0	0	20	<b>10</b>
9.	AGRI4015	Food Processing	0	0	20	<b>10</b>
10.	AGRI4016	Agriculture Waste Management	0	0	20	<b>10</b>
11.	AGRI4017	Organic Production Technology	0	0	20	<b>10</b>
12.	AGRI4018	Commercial Sericulture	0	0	20	<b>10</b>

**Electives Courses**

**A student can select three elective courses during 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> Sem of B.Sc. (Hons.) Agriculture out of 12 courses**

No.	Course Code	Title of the Course	L	T	P	Credit
1	A1UA510B	Landscaping	2	0	2	<b>3</b>
2.	A1UA610B	Bio-pesticides & Biofertilizers	2	0	2	<b>3</b>
3.	A1UA509B	Hi-tech. Horticulture	2	0	2	<b>3</b>

**List of Minor Courses**

No.	Course Code	Title of the Course	L	T	P	Credit
1.	A1UA208B	Food Processing and Safety Issues	2	0	2	<b>3</b>
2.	AGRI2020	Fundamentals of Artificial Intelligence	2	0	0	<b>2</b>
		<b>Total</b>	<b>4</b>		<b>2</b>	<b>5</b>

S.No.	Course	Credits
1.	Compulsory Courses	126
2.	Electives	9
3.	RAWE & Modules (20+20)	40
4.	Remedial Courses	3
4.	Educational Tour	0
5.	Non-gradual courses	0
6.	Minor courses	5
	<b>Total credits</b>	<b>183</b>