

• **B.Sc. (Agri.) Courses Offered**

**Under graduate (As per V<sup>th</sup> Dean Committee)**

<b>SEMESTER I</b>			
<b>Sr.</b>	<b>Course no.</b>	<b>Title of the course</b>	<b>Credits</b>
1	AGRO 111	Fundamentals of Agronomy-I	1+1=2
2	AGRO 112	Introductory Agro-meteorology and Climate change	1+1=2
3	AHDS 111	Livestock Production & Management	1+1=2
4	EXTN 111	Rural Sociology & Educational Psychology	2 +0=0
5	HORT 111	Fundamentals of Horticulture	1+1=2
6	LANG 111	Comprehension & Communication Skills in English	1+1=2
7	MIBO 111	Introductory Microbiology	1+1=2
8	SSAC 111	Fundamentals of Soil Science	2+1=3
9	AGH 111	Agricultural Heritage*1	1+0=1
10	BIO 111	Introductory biology *2	1+1=2
11	MATH 111	Elementary Mathematics *3	2+0=2
12	HVE 111	Human Values & Ethics	1+0=1
13	DEG 111	Democracy, Elections and Good Governance	1+0=1
14	NSS 111	NSS **	0+1=1
15	PHEY 111	Physical Education and Yoga	0+1=1
<b>Total credits</b>			14/16+10=24/26

<b>SEMESTER II</b>			
1	AGRO123	Fundamentals of Agronomy-II	1+1= 2
2	BOT 121	Fundamentals of Crop Physiology	1+1= 2
3	ECON121	Fundamentals of Agricultural Economics	2+0= 2
4	ENGG121	Soil and Water Conservation Engineering	1+1= 2
5	ENTO 121	Fundamentals of Entomology	1+1= 2
6	EXTN 122	Fundamentals of Agricultural Extension Education	2+1= 3
7	GPB 121	Fundamentals of Genetics	1+1= 2
8	PATH 121	Fundamentals of Plant Pathology	1+1= 2
9	FRST 121	Introduction to Forestry	2+1=3
10	EDNT 121	Educational Tour*	1+0=1
11	EXTN 123	Communication Skills and personality Developments	1+1=2
<b>Total credits</b>			14+10= 26

<b>SEMESTER III</b>			
1	AGRO 234	Crop Production Technology-I (Kharif crops)	1+1=2
2	AGRO 235	Rainfed Agriculture and Watershed Management	1+1=2
3	BIOCHM 231	Fundamentals of plant biochemistry and biotechnology	2+1=3
4	ENGG 232	Farm machinery and power	1+1=2
5	GPB 232	Fundamentals of plant breeding	1+1=2
6	ENTO 232	Insect Ecology and Integrated pest Management	1+1=2
7	HORT 232	Production Technology for Vegetables and Spices	1+1=2
8	PATH 232	Principals of integrated diseases management	1+1=2
9	STAT 231	Statistical methods	1+1=2
10	COMP 231	Agri- Informatics	1+1=2
11	ESDM 231	Environmental Studies and Disaster Management	2+1=3
		<b>Total credits</b>	<b>13+11=24</b>

<b>SEMESTER IV</b>			
1	AGRO246	Crop Production Technology-II (Rabi crops)	1+1= 2
2	AGRO247	Farming System and Sustainable Agriculture	1+0= 1
3	AGRO248	Principles of Organic Farming	1+1= 2
4	AHDS 242	Livestock Breeding and Nutrition	1+1= 2
5	ECON242	Agriculture Finance and Cooperation	2+1= 2
6	ENGG243	Renewable Energy and Green Technology	1+1= 2
7	ENTO 243	Pest of Horticultural Crops and their Management	1+1= 2
8	GPB 243	Principles of Seed Technology	1+2= 3
9	HORT243	Production Technology for Fruit and Plantation Crops	1+1= 2
10	SSAC 242	Problematic Soils and their Management	0+1= 1
11	ELE EXTN244	Agricultural Journalism	2+1= 2
12	EDNT 121	Educational Tour*	0+1= 1
		<b>Total credits</b>	<b>12+13=25</b>

<b>SEMESTER V</b>			
1	AGRO359	Practical Crop Production-I (Kharif crops)	0+1=1
2	AHDS 353	Technology of Milk and Milk Products.	1+1=2
3	BOT 353	Intellectual Property Right	1+0=1
4	ECON 353	Agricultural Marketing Trade and Prices	2+1=3
5	ENTO 354	Pests of Crops and Store Grain and their Management-	1+1=2
6	GPB 355	Crop Improvement – I (Kharif Crops)	1+1=2
7	HORT 354	Production Technology for Ornamental Crops, MAP and Landscaping	1+1=2
8	PATH 354	Diseases of Field and Horticultural Crops and their Management	2+1=3
9	SSAC 353	Manures, Fertilizers and Soil Fertility Management	2+1=3
10	EXTN 355	Entrepreneurship Development and Business Communication	1+1=2
11	ELE HORT 355	Protected Cultivation of Horticultural Crops	2+1=3
<b>Total Credits</b>			<b>24</b>

<b>SEMESTER VI</b>			
1	AGRO 3611	Practical Crop Production-II(Rabi crops)	0+1= 1
2	AGRO 3612	Geo-informatics and Nano-technology and Precision Farming	1+1= 2
3	AHDS 364	Sheep Goat and Poultry Production	1+1= 2
4	ECON 365	Farm Management, Production and Resource Economics	1+1= 2
5	ENGG 364	Protected Cultivation and secondary Agriculture	1+1= 2
6	ENTO 365	Management of Beneficial Insects	1+1= 2
7	FST 362	Principles of Food Science and Nutrition	2+0= 2
8	GPB 366	Crop Improvement – II (Rabi crops)	1+1= 2
9	HORT 366	Post-harvest Management and Value Addition of Fruits and Vegetables	1+1= 2
10	PATH 365	Diseases of Field and Horticultural Crops and their Management-II	2+1=3
11	ELE SSAC 364	Agrochemicals	2+1=3
<b>Total credits</b>			<b>12+13=25</b>