

**5th Deans**  
**SEMESTER WISE COURSES**

**First Semester**

No	Course No.	Title of Course	Credit
1	Agron.1.1	Agricultural Heritage	(1+0) 1
2	Ag.Chem.1.1	Fundamentals of Soil Science	(2+1) 3
3	Ag.Met.1.1	Introductory Agro meteorology & Climate Change	(1+1) 2
4	Ag.Micro.1.1	Agricultural Microbiology	(1+1) 2
5	Ag.Stat.1.1	Agricultural Informatics	(2+1) 3
6	GPB.1.1	Introductory Biology	(1+1) 2
7	Hort.1.1	Fundamentals of Horticulture	(1+1) 2
8	Pl.Path.1.1	Fundamentals of Plant Pathology	(2+1) 3
9	Eng.1.1	Comprehension and Communication Skills in English	(1+1) 2
10	Maths.1.1	Elementary Mathematics	(2+0) 2
11	PE.1.1	NSS/ NCC / Physical Education & Yoga Practices (Non -gradual)	
<b>Total</b>			<b>14+8=22</b>

**Second Semester**

No	Course No.	Title of Course	Credit
1	Agron.2.2	Fundamentals of Agronomy	(3+1) 4
2	Ag.Chem.2.2	Manures, Fertilizers and Soil Fertility Management	(2+1) 3
3	Ag.Stat.2.2	Statistical Methods	(2+1) 3
4	Ag.Econ.2.1	Fundamentals of Agricultural Economics	(2+0) 2
5	Ag.Engg.2.1	Introductory Soil and Water Conservation Engineering	(1+1) 2
6	Biochem.2.1	Fundamentals of Plant Biochemistry	(2+1) 3
7	GPB.2.2	Fundamentals of Genetics	(2+1) 3
8	Hort.2.2	Production Technology for Fruit and Plantation Crops	(1+1) 2
9	Pl.Path.2.2	Introductory Plant Nematology	(1+1) 2
10	HVE2.1	Human Value & Ethics (Non -gradual)	(1+0) 1
11	PE.2.1	NSS/ NCC / Physical Education & Yoga Practices (Non -gradual)	(0+1) 1*
<b>Total</b>			<b>(16+1*)+(8+1*)24+2*</b>

**Third Semester**

1	Agron.3.3	Crop Production Technology- I ( <i>Kharif</i> crops)	(1+1) 2
2	Ag.Chem.3.3	Problematic Soils and their Management	(2+1) 3
3	Ag.Ento.3.1	Fundamentals of Entomology	(2+1) 3
4	Ag.Econ.3.2	Agricultural Finance and Co-operation	(2+1) 3
5	Ag.Engg.3.2	Farm Machinery and Power	(1+1) 2
6	Ag.Extn.3.1	Fundamentals of Agricultural Extension Education	(2+1) 3
7	GPB.3.3	Fundamentals of Plant Breeding	(2+1) 3
8	Hort.3.3	Production Technology for Vegetables and Spices	(1+1) 2
9	Pl.Phy.3.1	Fundamentals of Crop Physiology	(2+1) 3
10	PE.	NSS / NCC / Physical Education (Non credit course)	-
<b>Total</b>			<b>15+9=24</b>

**Fourth Semester**

1	Agron.4.4	Crop Production Technology-II ( <i>Rabi</i> crops)	(1+1) 1
2	Agron.4.5	Weed Management	(2+1) 3
3	Ag.Ento.4.2	Principles of Integrated Pest Management	(1+1) 2

4	Ag.Ento.4.3	Management of Beneficial Insects	(1+1) 2
5	Ag.Econ.4.3	Agricultural Marketing, Trade and Prices	(2+1) 3
6	Ag.Engg.4.3	Renewable Energy and Green Technology	(1+1) 2
7	Ag.Ext.4.2	Rural Sociology and Educational Psychology	(2+0) 2
8	Pl.Patho.4.3	Principles of Integrated Disease	(1+1) 2
9	GPB.4.4	Principles of Seed Technology	(2+1) 3
10	GPB.4.5	Intellectual Property Rights	(1+0) 1
11	Hort.4.4	Production Technology for Ornamental Crops, MAP and Landscaping	(1+1)2
12	PE.4.2	NSS/NCC/Physical Education & Yoga Practices (Non-gradial)	(0+1) 1*
<b>Total</b>			<b>15+9+1*= 24+1*</b>

### **Fifth Semester**

1	Agron.5.6	Farming System and Sustainable Agriculture	(1+0) 1
2	Agron.5.7	Geoinformatics and Precision Farming	(1+1) 2
3	Agron.5.8	Practical Crop Production-I ( <i>Kharif</i> Crops)	(0+1) 1
4	Biotech.5.1	Introductory Biotechnology	(1+1) 2
5	<b>Ag.Ento.5.4</b>	<b>Pest of Field Crops and Stored Grains and their Management</b>	<b>(1+1) 2</b>
6	Ag.Engg.5.4	Protected Cultivation and Secondary Agriculture	(1+1) 2
7	Ag.Ext.5.3	Communication Skills and Personality Development	(1+1) 2
8	Pl.Patho.5.4	Diseases of Field and Horticultural crops and Their Management-I	(2+1) 3
9	GPB.5.6	Crop Improvement-I ( <i>Kharif</i> )	(1+1) 2
10	LPM.5.1	Ruminant Production and Management	(2+1) 3
11	Hort.5.5	Landscaping	(2+1) 3
12	<b>Envs.5.1</b>	<b>Environmental studies and Disaster Management</b>	<b>(2+1) 3</b>
<b>Total</b>			<b>15+11=26</b>

### **Sixth Semester**

1	Agron.6.9	Principles of Organic Farming	(1+1) 2
2	Agron.6.10	Rain fed Agriculture and Watershed Management	(1+1) 2
3	Agron.6.11	Practical Crop Production-II ( <i>Rabi</i> Crops)	(0+1) 1
4	Ag.Econ.6.4	Farm Management, Production and Resource Economics	(2+1) 3
5	Ag.Ext.6.4	Entrepreneurship Development and Business Communication	(1+1) 2
6	Pl.Patho.6.5	Disease of Field and Horticultural Crops and Their Management-II	(2+1) 3
7	GPB.6.7	Crop Improvement-II ( <i>Rabi</i> )	(1+1) 2
8	Hort.6.6	Post-harvest Management and Value Addition of Fruits and Vegetables	(1+1) 2
9	LPM.6.2	Poultry Production and Management	(1+1) 2
10	<b>Ag.Ento.6.5</b>	<b>Pests of Horticultural Crops and their Management</b>	<b>(1+1) 2</b>
11	Ag.Micro.6.2	Biopesticides & Bio fertilizers	(2+1) 3
<b>Total</b>			<b>13+11=24</b>

## Seventh Semester

1	Rural Agricultural work Experience (RAWE) and Agri industrial Attachment (AIA) Includes Educational Tour	0+20
2	ET.7.1 Educational Tour (Non-gradial)	0+2
<b>Total</b>		<b>22</b>

## Eighth Semester

1	Experiential Learning Programme (ELP) Hand on Training (HOT) (Student has to choose any two modules of 0+10 credit load)	0+20
<b>Total</b>		<b>20</b>