

## Distribution of Courses and Credits for B.Sc. (Hons.) Agriculture

### 1<sup>st</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AG 101	Agriculture Heritage*	1(1+0)*
2	AGR 102	Fundamentals of Agronomy I	2(1+1)
3	ACSS 103	Fundamentals of Soil Science I	2(1+1)
4	AEN 104	Fundamentals of Agricultural Entomology I	3(2+1)
5	PPA 105	Fundamentals of Plant Pathology I	2(1+1)
6	ABC 106	Fundamentals of Plant Biochemistry	3(2+1)
7	HORT 107	Fundamentals of Horticulture	2(1+1)
8	SWAG 108	Introduction to Forestry	2(1+1)
9	AEX 109	Rural Sociology and Educational Psychology	2(2+0)
10	ENG 110	Comprehension and Communication Skills in English	2(1+1)
11	AST 111	Elementary Mathematics*	1(1+0)*
12	NSS 112	NSS / NCC / Physical Education and Yoga Practices	1(0+1)**
		Total	20+2*+1**

\*R (Remedial Course), \*\*NC (Non-Gradual Course)

### 2<sup>nd</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AGR 151	Fundamentals of Agronomy II	2(1+1)
2	AGR 152	Crop Production Technology I ( <i>Rabi</i> crops)	2(1+1)
3	ACSS 153	Fundamentals of Soil Science II	2(1+1)
4	AEN 154	Fundamentals of Agricultural Entomology II	2(1+1)
5	PPA 155	Fundamentals of Plant Pathology II	2(2+0)
6	GPB 156	Fundamentals of Genetics	3(2+1)
7	PPH 157	Fundamentals of Crop Physiology	2(1+1)
8	AEC 158	Fundamentals of Agricultural Economics	2(2+0)
9	AEX 159	Fundamentals of Agricultural Extension Education	3(2+1)
10	SWAE 160	Soil and Water Conservation Engineering	2(1+1)
11	ASC 161	Livestock and Poultry Management	3(2+1)
12	ET 162	Educational Tour	1(0+1)**
		Total	25+1**

\*\*NC (Non-Gradual Course) preferably during summer vacation

### 3<sup>rd</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AGR 201	Crop Production Technology II ( <i>Kharif</i> crops)	2(1+1)
2	GPB 202	Fundamentals of Plant Breeding	3(2+1)
3	ACGP 203	Agricultural Microbiology	2(1+1)
4	AEN 204	Pests of Crops and Storage and their Management	3(2+1)
5	PPA 205	Diseases of Field and Horticultural Crops and their Management I	2(1+1)
6	AEC 206	Agricultural Finance and Co-operation	3(2+1)
7	AEX 207	Communication Skills and Personality Development	2(1+1)
8	ACH 208	Crop Protection Chemicals and their applications	2(1+1)
9	HORT 209	Production Technology for Vegetables and Spices	2(1+1)
10	AEG 210	Farm Machinery and Power	2(1+1)
11	HVE 211	Human Values and Ethics	1(1+0)**
		Total	23+1**

\*\*NC (Non-Gradual Course)

#### 4<sup>th</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AGR 251	Crop Production Technology III ( <i>Rabi</i> crops)	2(1+1)
2	AMP 252	Agro-meteorology and Climate Change	2(1+1)
3	SST 253	Principles of Seed Technology	3(2+1)
4	GPB 254	Crop Improvement I ( <i>Rabi</i> crops)	2(1+1)
5	ACSS 255	Manures, Fertilizers and Soil Fertility Management	3(2+1)
6	PPA 256	Diseases of Field and Horticultural Crops and their Management II	2(1+1)
7	AEC 257	Agricultural Marketing, Trade and Prices	3(2+1)
8	AST 258	Elementary Statistics	3(2+1)
9	HORT 259	Production Technology of Fruit and Plantation Crops	2(1+1)
10	EC 260-265	Elective Course	3(2+1)
		Total	22+3

#### 5<sup>th</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AGR 301	Crop Production Technology IV ( <i>Kharif</i> crops)	2(1+1)
2	AGR 302	Rainfed Agriculture and Watershed Management	2(1+1)
3	GPB 303	Crop Improvement II ( <i>Kharif</i> crops)	2(1+1)
4	ABT 304	Principles and Practices of Agricultural Bio-technology	2(1+1)
5	ACSS 305	Problematic Soils and their Management	2(1+1)
6	AEPP 306	Principles of Integrated Pest and Disease Management	3(2+1)
7	AEC 307	Farm Management, Production and Resource Economics	2(1+1)
8	AEX 308	Entrepreneurship Development and Business Communication	2(1+1)
9	HORT 309	Production Technology of Ornamental Crops, MAP and Landscaping	2(1+1)
10	AEMP 310	Protected Cultivation and Secondary Agriculture	2(1+1)
11	EC 311-316	Elective Course	3(2+1)
		Total	21+3

#### 6<sup>th</sup> Semester

Sl. No.	Course No.	Title of Course	Credit(s)
1	AGR 351	Principles of Organic Farming	2(1+1)
2	AGR 352	Farming System and Sustainable Agriculture	2(1+1)
3	GPB 353	Intellectual Property Rights	1(1+0)
4	AEN 354	Management of Beneficial Insects	2(1+1)
5	AGMP 355	Geo-informatics and Nanotechnology for Precision Farming	2(1+1)
6	AST 356	Computer Applications and Agriculture Informatics	2(1+1)
7	HORT 357	Post-harvest Management and Value-addition of Fruits and Vegetables	2(1+1)
8	AEG 358	Renewable Energy and Green Technology	2(1+1)
9	FSN 359	Principles of Food Science and Nutrition	2(2+0)
10	ES 360	Environmental Studies and Disaster Management	2(1+1)
11	EC 361-365	Elective Course	3(1+1)
		Total	19+3

### 7<sup>th</sup> Semester

#### Rural Agricultural Work Experience and Agro Industrial Attachment (RAW&AIA)

No. of credits = 20

### 8<sup>th</sup> Semester

#### Experiential Learning Programme (ELP)

No. of credits = (0+10)+(0+10) = 20

#### Semester-wise Credits

Sl. No.	Semester	Credits
1	1 <sup>st</sup> Semester	20+2*+1**= 23
2	2 <sup>nd</sup> Semester	25+1**= 26
3	3 <sup>rd</sup> Semester	23+1** = 24
4	4 <sup>th</sup> Semester	22+3 = 25
5	5 <sup>th</sup> Semester	21+3 = 24
6	6 <sup>th</sup> Semester	19+3 = 22
7	7 <sup>th</sup> Semester	20
8	8 <sup>th</sup> Semester	20
	Total	184

[Total credits proposed by ICAR=183/184]

The students admitted to B.Sc. (Hons.) Agriculture during the session 2016-17 onwards will have to study 1 credit extra for on-going 1<sup>st</sup> semester over the proposed 184 credits in 4-year course.









