



JOY UNIVERSITY
semper paratus

**School of Agricultural Sciences
B.Sc (Hons.) Agriculture**

I Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs /Wk	Credits
1	BSAG 7110	Fundamentals of Horticulture	1	0	1	4	2
2	BSAG 7111	Fundamentals of Plant Biochemistry and Biotechnology	2	0	1	5	3
3	BSAG 7112	Fundamentals of Soil Science	2	0	1	5	3
4	BSAG 7113	Introduction to Forestry	1	0	1	4	2
5	BSAG 7114	Comprehension and Communication Skills in English	1	0	1	4	2
6	BSAG 7115	Fundamentals of Agronomy	3	0	1	6	4
7	BSAG 1116*	Elementary Mathematics*	2*	0	0	2	2*
8	BSAG 1117*	Agricultural Heritage*	1*	0	0	1	1*
9	BSAG 1118	Rural Sociology and Educational Psychology	2	0	0	2	2
10	BSAG 4111	Human Values & Ethics	1	0	0	1	1
11	BSAG 4112	NSS/NCC/Physical Education and Yoga Practices	0	0	2	2	2
		TOTAL	16	0	8	36	24

* Remedial course

II Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 7120	Fundamentals of Genetics	2	0	1	5	3
2	BSAG 7121	Agricultural Microbiology	1	0	1	4	2
3	BSAG 7122	Soil and Water Conservation Engineering	1	0	1	4	2
4	BSAG 7123	Fundamentals of Crop Physiology	1	0	1	4	2
5	BSAG 1124	Fundamentals of Agricultural Economics	2	0	0	2	2
6	BSAG 7125	Fundamentals of Plant Pathology	3	0	1	6	4
7	BSAG 7126	Fundamentals of Entomology	3	0	1	6	4
8	BSAG 7127	Fundamentals of Agricultural Extension Education	2	0	1	5	3
9	BSAG 7128	Communication Skills and Personality Development	1	0	1	4	2
		TOTAL	16	0	8	40	24

III Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 7210	Crop Production Technology – I (Kharif Crops)	1	0	1	4	2
2	BSAG 7211	Fundamentals of Plant Breeding	2	0	1	5	3
3	BSAG 7212	Agricultural Finance and Cooperation	2	0	1	5	3
4	BSAG 7213	Agri-Informatics	1	0	1	4	2
5	BSAG 7214	Farm Machinery and Power	1	0	1	4	2
6	BSAG 7215	Production Technology for Vegetables and Spices	1	0	1	4	2
7	BSAG 7216	Environmental Studies and Disaster Management	2	0	1	5	3
8	BSAG 7217	Livestock and Poultry Management	3	0	1	6	4
9	BSAG 7218	Statistical Methods and Designs	1	0	1	4	2
		TOTAL	14	0	9	41	23

IV Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 7220	Crop Production Technology – II (Rabi Crops)	1	0	1	4	2
2	BSAG 7221	Production Technology for Ornamental Crops, MAPs and Landscaping	1	0	1	4	2
3	BSAG 7222	Renewable Energy and Green Technology	1	0	1	4	3
4	BSAG 1223	Problematic Soils and their Management	2	0	0	2	2
5	BSAG 7224	Production Technology for Fruits and Plantation Crops	1	0	1	4	2
6	BSAG 7225	Principles of Seed Technology	1	0	2	7	3
7	BSAG 1226	Farming System and Sustainable Agriculture	1	0	0	1	1
8	BSAG 7227	Agricultural Marketing Trade and Prices	2	0	1	5	3
9	BSAG 7228	Introductory Agro-Meteorology and Climate Change	1	0	1	4	2
10	PEAG 722#	Elective Course	2	0	1	5	3
TOTAL			13	0	9	40	22

Elective Course

V Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 7310	Principles of Integrated Pest and Disease Management	2	0	1	5	3
2	BSAG 7311	Manures, Fertilizers and Soil Fertility Management	2	0	1	5	3
3	BSAG 7312	Pests of Crops and Stored Grain and their Management	2	0	1	5	3
4	BSAG 7313	Diseases of Field and Horticultural Crops and their Management-I	2	0	1	5	3
5	BSAG 7314	Crop Improvement-I (Kharif crops)	1	0	1	4	2
6	BSAG 7315	Entrepreneurship Development and Business Communication	1	0	1	4	2
7	BSAG 7316	Geoinformatics and Nano-technology and Precision Farming	1	0	1	4	2
8	BSAG 2317	Practical Crop Production - I (Kharif crops)	0	0	2	2	2
9	BSAG 1318	Intellectual Property Rights	1	0	0	1	1
10	PEAG 731#	Elective course	2	0	1	5	3
TOTAL			14	0	10	44	24

Elective Course

VI Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 7320	Rainfed Agriculture and Watershed Management	1	0	1	4	2
2	BSAG 7321	Protected Cultivation and Secondary Agriculture	1	0	1	4	2
3	BSAG 7322	Diseases of Field and Horticultural Crops and their Management-II	2	0	1	5	3
4	BSAG 7323	Post-harvest Management and Value Addition of Fruits and Vegetables	1	0	1	4	2
5	BSAG 7324	Management of Beneficial Insects	1	0	1	4	2
6	BSAG 7325	Crop Improvement - II (Rabi crops)	1	0	1	4	2
7	BSAG 7326	Practical Crop Production - II (Rabi crops)	0	0	2	6	2
8	BSAG 7327	Principles of Organic Farming	1	0	1	4	2
9	BSAG 7328	Farm Management, Production and Resource Economics	1	0	1	4	2
10	BSAG 1329	Principles of Food Science and Nutrition	2	0	0	2	2
11	PEAG 732#	Elective Course	2	0	1	5	3
TOTAL			13	0	11	46	24

Elective Course

VII Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 2410	Rural Agricultural Work Experience and Agro- industrial Attachment (RAWE &AIA)					
		Activities					
		General orientation & On campus training by different faculties	0	0	1	1	1
		Village attachment	0	0	8	8	8
		Unit attachment in University / College / KVKs / Research Stations	0	0	5	5	5
		Plant Clinic	0	0	2	2	2
		Agro-Industrial Attachment	0	0	3	3	3
		Project Report Preparation, Presentation and Evaluation	0	0	1	1	1
		Total for RAWE & AIA	0	0	20	20	20
2	BSAG 4410	Educational Tour**	0	0	2	2	2
TOTAL			0	0	20+2**	22	20+2**

VIII Semester

Sl. No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1	BSAG 242X	Modules for Skill Development Entrepreneurship-I	0	0	10	30	10
2	BSAG 242X	Modules for Skill Development Entrepreneurship-II	0	0	10	30	10
TOTAL			0	0	20	60	20

X Module course

Modules 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.

Sl. No	Course Code	Title of the module	L	T	P	Contact Hrs / Wk	Credits
1.	BSAG 2420	Production Technology for Bioagents and Biofertilizers	0	0	10	30	10
2.	BSAG 2421	Seed Production and Technology	0	0	10	30	10
3.	BSAG 2422	Mushroom Cultivation Technology	0	0	10	30	10
4.	BSAG 2423	Soil, Plant, Water and Seed Testing	0	0	10	30	10
5.	BSAG 2424	Poultry Production Technology	0	0	10	30	10
6.	BSAG 2425	Commercial Horticulture	0	0	10	30	10
7.	BSAG 2426	Floriculture and Landscaping	0	0	10	30	10
8.	BSAG 2427	Food Processing	0	0	10	30	10
9.	BSAG 2428	Agricultural Waste Management	0	0	10	30	10
10.	BSAG 2429	Organic Production Technology	0	0	10	30	10
11.	BSAG 242A	Commercial Sericulture	0	0	10	30	10
12.	BSAG 242B	Commercial Bee Keeping	0	0	10	30	10
TOTAL			0	0	20	60	20

ELECTIVE COURSES

S. No.	Course Code	Courses	L	T	P	C
1.	PEAG 7220	Agri-Business Management	2	0	1	3
2.	PEAG 7221	Landscaping	2	0	1	3
3.	PEAG 7222	Agricultural Journalism	2	0	1	3
4.	PEAG 7223	Agrochemicals	2	0	1	3
5.	PEAG 7310	Commercial Plant Breeding	2	0	1	3
6.	PEAG 7311	Protected Cultivation	2	0	1	3
7.	PEAG 7312	Hi-tech Horticulture	2	0	1	3
8.	PEAG 7313	Bio-pesticides and Bio-fertilizers	2	0	1	3
9.	PEAG 7320	Micro Propagation Technologies	2	0	1	3
10.	PEAG 7321	Weed Management	2	0	1	3
11.	PEAG 7322	System Simulation and Agro-Advisory	2	0	1	3
12.	PEAG 7323	Food Safety and Standards	2	0	1	3

SEMESTER WISE CREDIT LOAD

S. No.	SEMESTER	L	T	P	C
1.	SEMESTER I	15+1**	0	6+2**	21+3**
2.	SEMESTER II	16	0	8	24
3.	SEMESTER III	14	0	9	23
4.	SEMESTER IV	13	0	9	22
5.	SEMESTER V	14	0	10	24
6.	SEMESTER VI	13	0	11	24
7.	SEMESTER VII	0	0	20+2**	20+2**
8.	SEMESTER VIII	0	0	20	20
	TOTAL	85+1**	0	93+4**	178+5**

Total credits with Non-Credit courses (5 credits) as recommended by ICAR = 178+5* =183

DISCIPLINE-WISE SUMMARY OF CREDIT HOURS

S.N.	Group	Credits
1	Agronomy	21(10+11)
2	Genetics & Plant Breeding	13(7+6)
3	Soil Science & Agricultural Chemistry	8(6+2)
4	Entomology	9(6+3)
5	Agricultural Economics	10(7+3)
6	Agricultural Engineering	8(4+4)
7	Plant Pathology	13(9+4)
8	Horticulture	10(5+5)
9	Food Science	2(2+0)
10	Agricultural Extension	9(6+3)
11	Biochemistry / Physiology / Microbiology/ Environmental Sciences	12(7+5)
12	Statistics, Computer Application and I.P.R.	5(3+2)
13	Animal Production	4(3+1)
14	English	2 (1+1)
15	Remedial Courses	03 (Biol/ Math); 01 (Agriculture)
16	NSS/NCC/Physical Education & Yoga Practices	2(0+2)
17	Human Values and Ethics	1(1+0)
18	Educational Tour	2(0+2)
Total		126 + 3 (for Bio / Math)/ 01(Agri) + 5 NGC =126+3+1+5+ 9 credits elective
RAWE AND ELP		20 +20
Grand Total		144+20+20=184