

Programme Structure

B.Sc. (Hons.) Agriculture as per 6th Deans Committee Report of ICAR

Semester I					
S.No.	Course Title	L	T	P	C
1	Deeksharambh (Induction cum Foundation course)	1 Week (NG)	0	0	0
2	Skill Enhancement course-I*	0	0	4	2
3	Skill Enhancement course-II*	0	0	4	2
4	Communication Skills	1	0	2	2
5	Farming-based livelihood systems	2	0	2	3
6	Rural Sociology and Educational Psychology	2	0	0	2
7	Fundamentals of Agronomy	2	0	2	3
8	Fundamentals of Soil Science	2	0	2	3
9	Fundamentals of Horticulture	2	0	2	3
10	NSS-I / NCC-I	0	0	2	1
11	Introductory Mathematics (Need-based)	1	0	0	0
Total: 21 (11+10)					
Semester II					
S.No.	Course Title	L	T	P	C
1	Skill Enhancement course-III*	0	0	4	2
2	Skill Enhancement course-IV*	0	0	4	2
3	Personality Development	1	0	2	2
4	Environmental Studies and Disaster Management	2	0	2	3
5	Soil Fertility Management	2	0	2	3
6	Fundamentals of Entomology	2	0	2	3
7	Livestock and Poultry Management	1	0	2	2
8	Fundamentals of Plant Pathology	2	0	2	3
9	NCC-II / NSS-II	0	0	2	1
Total: 21 (10+11)					

Semester III					
S.No.	Course Title	L	T	P	C
1	Skill Enhancement course-V*	0	0	4	2
2	Entrepreneurship Development and Business Communication	2	0	2	3
3	Physical Education, First Aid, Yoga & Meditation	0	0	4	2
4	Principles of Genetics	2	0	2	3
5	Crop Production Technology-I (Kharif crops)	2	0	2	3
6	Production Tech. of Fruit & Plantation Crops	1	0	2	2
7	Fundamentals of Extension Education	1	0	2	2
8	Fundamentals of Nematology	1	0	2	2
9	Principles and Practices of Natural Farming	1	0	2	2
Total: 21 (9+12)					
Semester IV					
S.No.	Course Title	L	T	P	C
1	Skill Enhancement course-VI*	1	0	2	2
2	Agricultural Informatics and AI	2	0	2	3
3	Production Tech. of Vegetables and Spices	1	0	2	2
4	Agri Economics & Farm Management	2	0	0	2
5	Crop Production Technology-II (Rabi crops)	1	0	4	3
6	Farm Machinery and Power	1	0	2	2
7	Water Management	1	0	2	2
8	Problematic Soils and Their Management	1	0	2	2
9	Basics of Plant Breeding	2	0	1	3
Total: 21 (11+10)					
Semester V					
S.No.	Course Title	L	T	P	C

1	Agricultural Marketing and Trade	2	0	1	3
2	Introduction to Agro-meteorology	1	0	2	1
3	Fundamentals of Crop Physiology	2	0	1	3
4	Pest Mgmt. in Crops and Stored Grains	2	0	1	3
5	Diseases of Field & Hort. Crops & Their Mgmt.	2	0	1	3
6	Crop Improvement (Kharif)	1	0	2	2
7	Weed Management	1	0	2	2
8	Ornamental Crops, MAPs and Landscaping	1	0	2	2
9	Introductory Agroforestry	1	0	2	2
Total: 22 (13+9)					
Semester-VI					
S.No.	Course Title	L	T	P	C
1	Fundamentals of Agri Biotechnology	2	0	2	3
2	Basic and Applied Agri Statistics	2	0	2	3
3	Crop Improvement (Rabi)	1	0	2	2
4	Renewable Energy in Agri and Allied Sectors	1	0	2	2
5	Dryland / Rainfed Agri & Watershed Mgmt	1	0	2	2
6	Agricultural Microbiology & Phytoremediation	1	0	2	2
7	Agricultural Finance & Cooperation	1	0	2	2
8	Essentials of Plant Biochemistry	2	0	2	3
9	Fundamentals of Seed Science & Technology	1	0	2	2
Total: 21 (12+9)					
Semester VII					
1	Elective Course (Major/Minor)	3	0	2	4
2	Elective Course (Major/Minor)	3	0	2	4
3	Elective Course (Major/Minor)	3	0	2	4
4	Elective Course (Major/Minor)	3	0	2	4

5	Elective Course (Major/Minor)	3	0	2	4
Total: 20					
Semester VIII					
1	Student READY Programme (RAWE/ Internship/ etc.)	0	0	40	20
Total: 20					

Course Category:

Course Category	Course Title	Credit Hours
Common Courses	Farming based livelihood systems	3 (2+1)
Common Courses	Communication skill	2 (1+1)
Common Courses	Personality development	2 (1+1)
Common Courses	Environmental studies and disaster management	3 (2+1)
Common Courses	Agricultural Informatics and Artificial Intelligence	3 (2+1)
Common Courses	Entrepreneurship Development and Business Management	3 (2+1)
Common Courses	Agricultural Marketing & Trade	3 (2+1)
Common Courses	NSS/NCC-I (2 courses)	2 (0+1 each)
Common Courses	Physical Education, First Aid and Yoga Practices	2
Core Courses	Fundamentals of Agronomy	3 (2+1)
Core Courses	Crop Production Technology-I (Kharif Crops)	3 (1+2)
Core Courses	Crop Production Technology-II (Rabi Crops)	3 (1+2)
Core Courses	Water Management	2 (1+1)
Core Courses	Weed Management	2 (1+1)
Core Courses	Introductory Agro forestry	2 (1+1)
Core Courses	Dryland agriculture/ Rainfed agriculture and watershed management	2 (1+1)
Core Courses	Principles and Practices of Natural Farming	2 (1+1)
Core Courses	Fundamentals of Soil Science	3 (2+1)
Core Courses	Soil Fertility Management	3 (2+1)
Core Courses	Problematic Soils and their management	2 (1+1)
Core Courses	Fundamentals of Horticulture	3 (2+1)
Core Courses	Production Technology of Fruit and Plantation Crops	2 (1+1)
Core Courses	Production Technology of Vegetables and Spices	2 (1+1)
Core Courses	Ornamental Crops, MAPs, and Landscaping	2 (2+1)
Core Courses	Principles of Genetics	3 (2+1)
Core Courses	Basics of Plant Breeding	3 (2+1)
Core Courses	Crop Improvement (kharif crops)- I	2 (1+1)
Core Courses	Crop Improvement (Rabi crops)- II	2 (1+1)
Core Courses	Fundamentals of Seed Science Technology	2 (1+1)
Core Courses	Fundamentals of Entomology	3 (2+1)

Core Courses	Pest management in Crops and Stored Grains	3 (2+1)
Core Courses	Fundamentals of Plant Pathology	3 (2+1)
Core Courses	Diseases of Field & Horticultural Crops & their Management	3 (2+1)
Core Courses	Agricultural Microbiology and Phyto-remediation	2 (1+1)
Core Courses	Rural Sociology and Educational Psychology	2 (2+0)
Core Courses	Fundamentals of Extension Education	2 (1+1)
Core Courses	Introduction to Agro-meteorology	2 (1+1)
Core Courses	Principles of Agricultural Economics and Farm Management	2 (2+0)
Core Courses	Agricultural Finance & Cooperation	2 (1+1)
Core Courses	Basic and Applied Agril. Statistics	3 (2+1)
Core Courses	Farm Machinery and Power	2 (1+1)
Core Courses	Renewable energy in Agriculture and Allied Sector	2 (1+1)
Core Courses	Fundamentals of Nematology	2 (1+1)
Core Courses	Essentials of Plant Biochemistry	3 (2+1)
Core Courses	Fundamentals of Crop Physiology	3 (2+1)
Core Courses	Livestock and poultry Management	2 (1+1)
Core Courses	Fundamentals of Agri Biotechnology	3 (2+1)
Skill Enhancement Courses	Biofertilizer and biopesticide production	2 (0+2)
Skill Enhancement Courses	Mushroom production technology	2 (0+2)
Skill Enhancement Courses	Seed Production Technology	2 (0+2)
Skill Enhancement Courses	Post harvest processing technology	2 (0+2)
Skill Enhancement Courses	Beneficial insect farming	2 (0+2)
Skill Enhancement Courses	Horticulture nursery management	2 (0+2)
Skill Enhancement Courses	Plantation crops production and management	2 (0+2)
Internship/READY	Student READY (Experiential Learning + RAWE)	20 (10+10)
Other Courses	Remedial Mathematics	1 (1+0) Non-gradual
Other Courses	Study tour (2 weeks in 5th semester)	2 (0+2) Non-gradual
Other Courses	Online courses (MOOCs/SWAYAM)	10 Non-gradual

Elective Courses:

Course Category	Course Title	Credit Hours
Elective Courses	Agri-Business Management	4 (3+1)
Elective Courses	Management of natural resources	4 (3+1)
Elective Courses	Agrochemicals	4 (3+1)
Elective Courses	Agricultural Journalism	4 (3+1)
Elective Courses	Landscaping	4 (3+1)
Elective Courses	Commercial Plant breeding	4 (3+1)
Elective Courses	Food safety and standards	4 (3+1)
Elective Courses	Bioformulation and Nano formulation	4 (3+1)
Elective Courses	Biopesticides and Biofertilizers	4 (3+1)
Elective Courses	System Simulation and Agro advisory	4 (3+1)
Elective Courses	Hi-tech Horticulture	4 (3+1)
Elective Courses	Protected cultivation	4 (3+1)
Elective Courses	Climate Resilient Agriculture	4 (3+1)
Elective Courses	Biotechnology of Crop Improvement	4 (3+1)
Elective Courses	Geoinformatics and Remote Sensing, precision farming	4 (3+1)
Elective Courses	Micro-propagation Technologies	4 (3+1)
Elective Courses	Commercial Seed Production	4 (3+1)
Elective Courses	Principles and Practices of Organic Farming/ Conservation Agriculture	4 (3+1)
Elective Courses	Food Science and Nutrition	4 (3+1)
Elective Courses	Post-Harvest Technology and Value Addition	4 (3+1)