

Total Courses Offered for M. Sc. (Agri.) as per ICAR (2018-2022)

Sr. No.	Course No.	Course title	Credit
1.	AGRON 501	Modern concepts in crop production	3+0=3
2.	AGRON 502	Principles and practices of soil fertility and nutrient management	2+1=3
3.	AGRON 503	Principles and practices of weed management	2+1=3
4.	AGRON 504	Principles and practices of water management	2+1=3
5.	AGRON 505	Agrometeorology and crop weather forecasting	2+1=3
6.	AGRON 511	Cropping systems and sustainable agriculture	2+0=2
7.	AGRON 512	Dryland farming and watershed management	2+1=3
8.	AGRON 513	Principles and practices of organic farming	2+1=3
9.	AGRON 591	Master's seminar	0+1=1
10.	AGRON 599	Master's research	20

Credit layout for M. Sc. (Agri.) Degree

Semester	Major	Minor	Supporting	Total	Non credit compulsory courses	Total
I	9	6	3	18	2	20
II	9	3	3	15	2	17
III	3	--	--	03	2	05
IV	1	-	--	01	-	01
Research credit	-	-	-	-	-	45
TOTAL	22	09	06	37	06	

Semester wise course layout for M. Sc. (Agri.) in Agronomy

Sr. No.	SEMESTER				
	I	II	III	IV	Total
A	MAJOR COURSES				
1	AGRON.501* Modern concepts in crop production (3+0=3)	AGRON.502* Soil fertility and nutrient management (2+1=3)	AGRON.512 Dry land farming and watershed management (2+1=3)	AGRON.591 Master's Seminar (0+1=1)	7+3=10
2	AGRON.503* Principles and practices of weed management (2+1=3)	AGRON.504* Principles and practices of water management (2+1=3)	---	---	4+2=6
3	AGRON.505 Agro meteorology and crop weather forecasting (2+1=3)	AGRON.513 Principles and practices of organic farming (2+1=3)	---	---	4+2=6

	Total : (7+2 = 9)	(6+3 = 9)	(2+1 = 3)	(0+1=1)	15+7=22
B	MINOR COURSES : To be decided by students Advisory Committee				
	Total 6	3	---	---	9
C	SUPPORTING COURSES :- To be decided by students Advisory Committee				
	Total 3	3	---	---	6
	Grand total 18	15	3	1	37
D	NON CREDIT COMPULSORY COURSES				
1	PGS 501 Library and information services (0+1=1)	PGS 502 Technical writing and communication skills (0+1=1)	PGS 505 Agricultural research ethics and rural development programmes (1+0=1)	---	1+2=3
2	PGS 504 Basic concepts in laboratory techniques (0+1=1)	PGS 503 Intellectual property and its management in agriculture (1+0=1)	PGS 506 Disaster management (1+0=1)	---	2+1=3
	(0+2=2)	(1+1=2)	(2+0=2)	---	3+3=6

*** Compulsory courses**

Credit courses and credits offered for Ph.D. as per ICAR Syllabus

Sr. No.	Course No.	Course title	Credit
1.	AGRON 601	Current trends in Agronomy	3 (3+0)
2.	AGRON 602	Crop ecology	2 (2+0)
3.	AGRON 603	Crop production and system modelling	3 (2+1)
4.	AGRON 604	Advances in crop growth and productivity	3 (2+1)
5.	AGRON 605	Irrigation management	3 (2+1)
6.	AGRON 606	Advances in weed management	2 (2+0)
7.	AGRON 607	Integrated farming systems	2 (2+0)
8.	AGRON 608	Conservation and watershed management	3 (2+1)
9.	AGRON 609	Stress crop production	3 (2+1)
10.	AGRON 691	Doctoral Seminar I	1 (0+1)
11.	AGRON 692	Doctoral Seminar II	1 (0+1)
12.	AGRON 692	Doctoral Research	45
		TOTAL	71

Course and research credit layout FOR Ph. D.

Semester	Major	Minor	Supporting	Total	Non credit compulsory courses	Total
I	8	4	2	14	2	16
II	8	2	2	12	2	14
III	3	2	2	07	2	09
IV	1	-	-	01	-	01
Research	-	-	-	-	-	45
TOTAL	20	08	06	34	06	

SEMESTER WISE LAYOUT OF COURSES OFFERED FOR PH.D. DEGREE IN AGRONOMY

Sr. No.	Semester				Total Credits
	I	II	III	IV	
A	MAJOR COURSES				
1	AGRON. 601 Current trends in Agronomy (3+0=3)	AGRON. 605 Irrigation management (2+1=3)	AGRON. 606 Advances in weed management (2+0=2)	AGRON. 692 Doctoral Seminar II (0+1=1)	(7+2=9)
2	AGRON. 602 Crop Ecology (2+0=2)	AGRON. 607 Integrated farming systems for sustainable agriculture (2+0=2)	AGRON. 691 Doctoral Seminar I (0+1=1)		(4+1=5)
3	AGRON. 604 Advances in crop growth and productivity (2+1=3)	AGRON. 608 Soil conservation and watershed management (2+1=3)	---	---	(4+2=6)
	Total : (7+1=8)	(6+2=8)	(2+1=3)	(0+1=1)	(15+5=20)
B	MINOR COURSES :				
	(4)	(2)	(2)		(8)
C	SUPPORTING COURSES :				
	(2)	(2)	(2)		(6)
	Grand total (14)	(12)	(7)	1	(34)
D	NON CREDIT COMPULSORY COURSES (IF APPLICABLE)				
1	PGS 501 Library and information services (0+1=1)	PGS 502 Technical writing and communication skills (0+1=1)	PGS 505 Agricultural research ethics and rural development programmes (1+0=1)	---	(1+2=3)
2	PGS 504 Basic concepts in laboratory techniques 0+1=1	PGS 503 Intellectual property and its management in agriculture 1+0=1	PGS 506 Disaster management 1+0=1	---	2+1=3
	Total 0+2=2	1+1=2	2+0=2		3+3=6

Total Courses Offered For M.Sc.(Agri.) As Per Icar –Bsma From 2022-23 Onwards

Sr.No.	Course No.	Course Title	Credits
1.	AGRON-501	Modern concepts in crop production	3+0=3
2.	AGRON-503	Principles and practices of weed management	2+1=3
3.	AGRON-513	Principles and practices of organic farming	2+1=3
4.	AGRON-502	Principles and practices of soil fertility and nutrient management	2+1=3
5.	AGRON-504	Principles and practices of water management	2+1=3
6.	AGRON-505	Conservation Agriculture	1+1=2
7.	AGRON-512	Dry land farming and watershed management	2+1=3
8.	AGRON-550	Master Seminar	0+1=1
9.	AGRON-560	Masters Research	0+30=30

Credit Layout For M.Sc.(Agri.) Degree (As Per Icar-Bsma)

Semester	Major	Minor	Supporting	Total	NCCC	Research	Total
I	09	06	04	19	02	-	21
II	08	03	03	14	02	10	26
III	03	-	-	03	01	10	14
IV	01	-	-	01	-	10	11
Total							72

Semester Wise Course Layout For M.Sc.(Agri.) In Agronomy (As Per ICAR-BSMA)

Sr.No.	Semester				
	I	II	III	IV	Total
A	Major courses				

1	AGRON-501 Modern concepts in crop production (3+0=3)	AGRON-502 Principles and practices of soil fertility and nutrient management (2+1=3)	AGRON-512 Dry land farming and watershed management (2+1=3)	AGRON-550 Master Seminar 0+1=1	7+3=10
2	AGRON-503 Principles and practices of weed management (2+1=3)	AGRON-504 Principles and practices of water management (2+1=3)	-		4+2=6
3	AGRON-513 Principles and practices of organic farming (2+1=3)	AGRON-505 Conservation Agriculture (1+1=2)	-		3+2=5
	Total :7+2=9	5+3=8	2+1=3	0+1=1	14+7=21
B	Minor courses				
	06	03			09
C	Supporting courses				
	04	03			07
	Grand total 19	14	03	01	37
D.	Non Credit Compulsory Courses				
1	PGS-501, Library and information services (0+1=1)	PGS 502 Technical writing and communication skills (0+1=1)	PGS 505 Agricultural research ,ethics and rural development programmes (1+0=1)	---	1+2=3
2	PGS-504, Basic concepts in laboratory techniques (0+1=1)	PGS 503 Intellectual property and its management in agriculture (1+0=1)		---	1+1=2

Total Courses To Be Offered For Ph.D.(Agri.) As Per ICAR –BSMA From 2022-23 Onwards

Sr. No	Course No.	Credits	Course Title
1	Agron601*	3+0	Current trends in Agronomy
2	Agron602	2+1	Recent trends in crop growth and productivity
3	Agron603	2+1	Irrigation management
4	Agron604	2+0	Recent trends in weed management
5	Agron605	2+0	Integrated farming systems for sustainable Agriculture
6	Agron606	2+1	Soil Conservation and Watershed Management
7	Agron607	2+1	Stress Crop Production
8	Agron608*	2+0	Research and Publication ethics
9	Agron-691	(1+0)	Doctor's Seminar
10	Agron-692	(1+0)	Doctor's seminar

***Indicates Core course for Ph.D.**