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

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

	Total:			(0+1=1)	15+7=22	
	(7+2=9)	(6+3=9)	(2+1=3)	,		
В	MINOR COURSES	: To be decided by stu	dents Advisory Com	lents Advisory Committee		
	Total				9	
	6	3				
C	SUPPORTING COUL	RSES :- To be decided	by students Advisory (	Committee		
	Total				6	
	3	3				
	Grand total			1	37	
	18	15	3			
D	NON CREDIT COM	IPULSORY COURSE				
1	PGS 501	PGS 502	PGS 505			
	Library and	Technical writing	Agricultural			
	information services	and communication	research ethics and			
		skills	rural development		1+2=3	
			programmes			
	(0+1=1)					
		(0+1=1)	(1+0=1)			
2	PGS 504	PGS 503	PGS 506			
	Basic concepts in	Intellectual property	Disaster			
	laboratory	and its management	management			
	techniques	in agriculture			2+1=3	
	(0.1.1)	(1.0.1)				
	(0+1=1)	(1+0=1)	(1.0.1)			
			(1+0=1)		2.2.6	
	(0, 0, 0)	(1 1 2)			3+3=6	
	(0+2=2)	(1+1=2)	(2+0=2)			

# \* Compulsory courses

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

Sr.	Course No.	Course title	Credit
No.			
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.	Semester				
No.	I	II	III	IV	Total Credits
A	MAJOR COURSES				•
1	AGRON. 601 Current	AGRON. 605 Irrigation	AGRON. 606 Advances in	AGRON. 692 Doctoral	
	trends in Agronomy	management	weed management	Seminar II	
	(3+0=3)	(2+1=3)	(2+0=2)	(0+1=1)	(7+2=9)
2	AGRON. 602 Crop	AGRON. 607 Integrated	AGRON. 691 Doctoral Seminar		
	Ecology	farming systems for sustainable agriculture	I		
	(2+0=2)	(2+0=2)	(0+1=1)		(4+1=5)
3	AGRON. 604 Advances in	AGRON. 608 Soil conservation			
	crop growth and	and watershed management			
	productivity				
	(2+1=3)	(2+1=3)			(4+2=6)
	<b>Total:</b> (7+1=8)	(6+2=8)	(2+1=3)	(0+1=1)	(15+5=20)
В	MINOR COURSES:		(-)	Т	Lo
	(4)	(2)	(2)		(8)
C	SUPPORTING COURSES	•		T	T
	(2)	(2)	(2)		(6)
	Grand total (14)	(12)	(7)	1	(34)
D		SORY COURSES (IF APPLICA		T	
1	PGS 501 Library and	PGS 502 Technical writing and	PGS 505 Agricultural research		
	information services	communication skills	ethics and rural development		
	(0.1.1)	(0.4.4)	programmes		(4.0.0)
•	(0+1=1)	(0+1=1)	(1+0=1)		(1+2=3)
2	PGS 504 Basic concepts in	PGS 503 Intellectual property	PGS 506 Disaster management		
	laboratory techniques	and its management in	1.0.1		
	0.1.1	agriculture	1+0=1		
	0+1=1	1+0=1			2+1=3
	<b>Total</b> 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		1		1			72

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

Sr.No.	Semester					
	I	П	III	IV	Total	
A	Major courses			l		

1	AGRON-501	AGRON-502	AGRON-512	AGRON- 550	7+3=10
	Modern concepts in crop production (3+0=3)	Principles and practices of soil fertility and nutrient management (2+1=3)	Dry land farming and watershed management (2+1=3)	Master Seminar 0+1=1	
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
В	Minor courses	1	l	1	1
	06	03			09
С	<b>Supporting courses</b>				
	04	03			07
	Grand total 19	14	03	01	37
D.					
1	Non Credit Compulso	ry 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

# 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

<sup>\*</sup>Indicates Core course for Ph.D.