



Integral University, Lucknow
Integral Institute of Agricultural Science and Technology
Evaluation Scheme of Post Graduate Program
w.e.f. 2022-23

M. Sc. (Ag.) Soil Science

Semester-I

Course Code	Course Title	Type of Course	Periods/ Per week			Evaluation Scheme Theory Mid Sem			Evaluation Scheme Practical Mid Sem			Practical End Sem Exam	Sub Total (Theory + Practical Mid Sem Exam)	End Sem Theory Exam	Subject Total	Credit	Total Credit Points	Attributes							United Nations sustainable development goals (SDGs)		
			L	T	P	CT	TA	Total	CT	TA	Total							Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
SOIL 501	Soil Physics	Major	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√			√	√			
SOIL 502	Soil Fertility and Fertilizer Use		2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√		√	√	√	√	12	
Total																											
SOIL 505	Soil Erosion and Conservation	Optional	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√	√	√		√					
Total																	*										
*Major Course (Core course + Optional course) should not exceed more than 9 credit																											
AGRON 506	Agronomy of Major Cereals and Pulses	Minor	2	0	0	20	10	30	-	-	-	-	30	70	100	2:0:0	2 [#]	√		√		√	√	√	√	2	
AGRON 511	Cropping System and Sustainable Agriculture		2	0	0	20	10	30	-	-	-	-	30	70	100	2:0:0	2 [#]	√	√	√		√					
STAT 511	Experimental Designs	Supporting	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√		√	√	√			
BIOCHEM 505	Techniques in Biochemistry		2	0	4	20	10	30	-	-	-	20	50	50	100	2:0:2	4	√	√	√							
MCA 512	Information Technology in Agriculture		1	0	2	20	10	30	-	-	-	20	50	50	100	1:0:1	2	√	√	√					15		
Total																	**										
PGS503 (e-Course)	Intellectual Property and Its Management in Agriculture	Common	1	0	0	20	10	30	-	-	-	-	30	70	100	1:0:0	1	√	√	√					√		
PGS504	Basic Concepts in Laboratory Techniques		0	0	2	0	0	0	-	25	25	75	25	-	100	0:0:1	1	√	√	√							
PGS510	Biochemical and Molecular Biology Techniques		0	0	4	0	0	0	-	25	25	75	25	-	100	0:0:2	1 ^{††}	√		√							
Grand Total																	***										

Grand Total (***) = *+**, credit should not exceed more than 22 credit in one semester; [#]Students can opt for any one/two of the courses from Minor; ^{††} = Non-Gradual Course



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Semester-II

Course Code	Course Title	Type of Course	Periods/Per week			Evaluation Scheme Theory Mid Sem			Evaluation Scheme Practical Mid Sem			Practical End Sem Exam	Sub Total (Theory + Practical Mid Sem Exam)	End Sem Theory Exam	Subject Total	Credit	Total Credit Points	Attributes							United Nations sustainable development goals (SDGS)				
			L	T	P	CT	TA	Total	CT	TA	Total							Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics					
SOIL503	Soil Chemistry	Major	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√			√	√					
SOIL504	Soil Mineralogy, Genesis and Classification		2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√		√	√	√					
Total																													
SOIL506	Soil Biology and Biochemistry	Optional	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√	√	√		√							
Total																		*											
*Major Course (Core course + Optional course) should not exceed more than 9 credit																													
AGR504	Principles and Practices of Water Management	Minor	2	0	0	20	10	30	-	-	-	-	30	70	100	2:0:0	2	√		√		√	√	√					
		Supporting																											
Total																		**											
PGS502	Technical Writing and Communications Skills	Common	0	0	2	0	0	-	-	-	25	75	0	100	0:0:1	1	√		√					√					
PGS505 (e-Course)	Agricultural Research, Research Ethics and Rural Development Programmes		1	0	0	20	10	30	-	-	-	0	0	70	100	1:0:0	1	√		√				√	√				
PGS508	AI Foundation in Agricultural Sciences		2	0	1	20	10	30	-	-	-	20	50	50	100	2:0:1	3 ^{††}	√		√									
SOIL591	Master's Seminar		-	-	-	-	-	-	-	-	-	-	-	-	100	0:0:1	1			√									
SOIL599	Master's Research		-	-	-	-	-	-	-	-	-	-	-	-	S/US	0:0:5	5 [§]	√		√			√	√					
Grand Total																		***											

Grand Total (***) = *+**, credit should not exceed more than 22 credit in one semester; ^{††} = Non-Gradial Course; [§] Student can opt any one subject from Minor; [§] Master's Research credit to be counted in Final Semester examinations; S/US=Satisfactory/Unsatisfactory