

Programme Name: Master of Science (Life Science)

Semester – I For the Batch : AY 23-24 onwards

				Teaching Scheme (Hrs./Week)				Examination Scheme				
Sr. No.	Core	Course Code	Course Name	L	Т	P	C	Form Assess CIA	ment		native sment E	Total Marks
								Course	Lab	Course	Lab	
1	PC	NPLS101	Genetics	4	0	0	4	50	1	50	-	100
2	PC	NPLS102	Cell and Molecular Biology	4	0	0	4	50	-	50	-	100
3	PC	NPLS111	Genetics Laboratory	0	0	4	2	-	50	-	50	100
4	PC	NPLS112	Cell and Molecular Biology Laboratory	0	0	4	2	-	50	-	50	100
5	PE	NPLSE02	Animal Systematics	4	0	0	4	50	-	50	-	100
6	UC	NRDP101	Research Methodology	4	0	0	4	50	-	50	-	100
			TOTAL	16	0	8	20	200	100	200	100	600

Course Code	Course Name
NPLSE01	Plant Systematics
NPLSE02	Animal Systematics
NPLSE03	Microbial Systematics

			Formative Assessment			
CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description		
L: Theory Lecture	*: Oral Examination	CIA 1	10%	Home Assignment		
T: Tutorial	UC: University Core	CIA 2	20%	Written Exam		
		CIA 3	10%	Seminar Presentation		
P: Practical	PC: Programme Core	CIA 4	10%	Activity/Project & Research		
ESE: End Semester Exam	PE: Programme Elective	CIA	1070	Based Activity		
	OE:Open Elective VAC: Value Added Courses	TOTAL	50%			



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Semester – II For the Batch : AY 23-24 onwards

					Teaching Scheme (Hrs./Week)				Examination Scheme			
Sr. No.	Core	Course Code	Course Name	L	Т	P	C	Form Assess CLA	ment		native sment E	Total Marks
								Course	Lab	Course	Lab	
1	PC	NPLS201	Ecology	4	0	0	4	50	-	50	-	100
2	PC	NPLS202	Instrumentation	4	0	0	4	50	-	50	-	100
3	PC	NPLS211	Ecology Laboratory	0	0	4	2	-	50	-	50	100
4	PC	NPLS212	InstrumentationLaboratory	0	0	4	2	-	50	-	50	100
5	PC	NPLS203	Biochemistry	4	0	0	4	50	-	50	-	100
6	PC	NPLS213	Biochemistry Laboratory	0	0	4	2	-	50	-	50	100
7	PE	NPLSE05	Animal Systematics	4	0	0	4	50	1	50	-	100
			TOTAL	16	0	12	22	200	150	200	150	700

Course Code	Course Name
NPLSE04	Plant Physiology
NPLSE05	Animal Physiology
NPLSE06	Microbial Physiology

		Formative Assessment					
CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description			
L: Theory Lecture	*: Oral Examination	CIA 1	10%	Home Assignment			
T: Tutorial	UC: University Core	CIA 2	20%	Written Exam			
		CIA 3	10%	Seminar Presentation			
P: Practical	PC: Programme Core	CIA 4	10%	Activity/Project & Research			
ESE: End Semester Exam	PE: Programme Elective	CIA 4	1070	Based Activity			
	OE:Open Elective VAC: Value Added Courses	TOTAL	50%				

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Semester – III For the Batch : AY 23-24 onwards

					Teaching Scheme (Hrs./Week)				Examination Scheme			
Sr. No.	Core	Course Code	Course Name	L	Т	P	C	Form Assess CLA	ment		native sment E	Total Marks
								Course	Lab	Course	Lab	
1	PC	NPLS301	Recombinant DNA Technology	4	0	0	4	50	ı	50	-	100
2	PC	NPLS302	Immunology	4	0	0	4	50	-	50	-	100
3	PE	NPLSE	Programme Elective III	4	0	0	4	50	-	50	-	100
4	PE	NPLSE	Programme Elective IV	4	0	0	4	50	-	50	-	100
5	PC	NPLS303	Large Scale Manufacturing Process	4	0	0	4	50	1	50	-	100
6	PC	I NPLS311	Recombinant DNA Technology Laboratory	0	0	4	2	-	50	-	50	100
7	PC	NPLS312	Immunology Laboratory	0	0	4	2	-	50	-	50	100
			TOTAL	20	0	8	24	250	100	250	100	700

Course Code	Course Name
NPLSE07	Plant Development
NPLSE08	Animal Development
NPLSE09	Genetically Modified Organisms

Course Code	Course Name
NPLSE10	Nutraceuticals
NPLSE11	Intellectual Property Rights
NPLSE12	Biostatistics and Bioinformatics

		Formative Assessment					
CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description			
L: Theory Lecture	*: Oral Examination	CIA 1	10%	Home Assignment			
T: Tutorial	UC: University Core	CIA 2	20%	Written Exam			
		CIA 3	10%	Seminar Presentation			
P: Practical	PC: Programme Core	CIA 4	10%	Activity/Project & Research			
ESE: End Semester Exam	PE: Programme Elective	CIA	1070	Based Activity			
	OE:Open Elective VAC: Value Added Courses	TOTAL	50%				

BOS Chairperson Dean SoS Associate Dean

Registrar SUN



Curriculum Development

Programme Name: Master of Science (Life Science)

Semester – IV For the Batch : AY 23-24 onwards

			Ceaching Scheme (Hrs./Week)			Examination Scheme						
Sr. No.	Core	Course Code	Course Name	L	Т	P	C	Formative Assessment CIA		Summative Assessment ESE		Total Marks
								Course	Lab	Course	Lab	
1	PC	NPLS411	Research Project	0	0	36	20	-	300	-	300	600
TOTAL			0	0	36	20	-	300	-	300	600	

		Formative Assessment					
CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description			
L: Theory Lecture	*: Oral Examination	CIA 1	10%	Home Assignment			
T: Tutorial	UC: University Core	CIA 2	20%	Written Exam			
		CIA 3	10%	Seminar Presentation			
P: Practical	PC: Programme Core	CIA 4	10%	Activity/Project & Research			
ESE: End Semester Exam	PE : Programme Elective	CIA	1070	Based Activity			
	OE:Open Elective VAC: Value Added Courses	TOTAL	50%				