



**SCHOOL OF SCIENCE**  
**DEPARTMENT OF BIOLOGICAL SCIENCES**  
NEP 2020 - Course Structure

**Programme Name: - Master of Science (Microbiology)**  
**Semester - I**

**Batch: AY 23-24 onwards**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	UC	NRDP101	Research Methodology	4	0	0	4	50	-	100	-	100
2	PC	NPMI101	Microbial Diversity and Taxonomy	4	0	0	4	50	-	100	-	100
3	PC	NPMI102	Instrumentation	4	0	0	4	50	-	100	-	100
4	PE	NPMIE__	Programme Elective - I	4	0	0	4	50	-	100	-	100
5	PC	NPMI111	Microbial Diversity and Taxonomy Laboratory	0	0	4	2		50		50	100
6	PC	NPMI112	Instrumentation Laboratory	0	0	4	2		50		50	100
<b>TOTAL</b>				<b>16</b>	<b>-</b>	<b>8</b>	<b>20</b>	<b>200</b>	<b>100</b>	<b>400</b>	<b>100</b>	<b>600</b>

Course Code	Programme Elective I
NPMIE01	Environmental Microbiology
NPMIE02	Food and Dairy Microbiology
NPMIE03	Parasitology

		Formative Assessment		
		CIA	Weightage	Description
<b>CIA:</b> Continuous Internal Assessment <b>L:</b> Theory Lecture <b>T:</b> Tutorial <b>P:</b> Practical <b>ESE:</b> End Semester Exam	<b>UC:</b> University Core <b>PC:</b> Programme Core <b>PE:</b> Programme Elective <b>OE:</b> Open Elective	CIA 1	10%	Home Assignment
		CIA 2	20%	Written Exam
		CIA 3	10%	Activity/Project and research based learning along with seminar presentation
		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance
		<b>TOTAL</b>	<b>50%</b>	

BOS  
Chairperson

Dean  
SOS

Associate Dean  
Curriculum  
Development

Registrar  
SUN





**SCHOOL OF SCIENCE**  
**DEPARTMENT OF BIOLOGICAL SCIENCES**  
NEP 2020 - Course Structure

**Programme Name: - Master of Science (Microbiology)**  
**Semester - II**

**Batch: AY 23-24 onwards**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	NPMI201	Medical Microbiology	4	0	0	4	50	-	100	-	100
2	PC	NPMI202	Biochemistry	4	0	0	4	50	-	100	-	100
3	PE	NPMIE__	Programme Elective II	4	0	0	4	50	-	100	-	100
4	PC	NPMI211	Medical Microbiology Laboratory	0	0	4	2		50		50	100
5	PC	NPMI212	Biochemistry Laboratory	0	0	4	2		50		50	100
6	UC	NPMI213	Field Project	0	0	8	4	-	50	-	50	100
<b>TOTAL</b>				<b>12</b>	<b>00</b>	<b>16</b>	<b>20</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>150</b>	<b>600</b>

Course Code	Programme Elective II
NPMIE03	Pharmaceutical Microbiology
NPMIE04	Biostatistics
NPMIE06	Microbial Genetics

		Formative Assessment		
		CIA	Weightage	Description
<b>CIA:</b> Continuous Internal Assessment <b>L:</b> Theory Lecture <b>T:</b> Tutorial <b>P:</b> Practical <b>ESE:</b> End Semester Exam	<b>UC:</b> University Core <b>PC:</b> Programme Core <b>PE:</b> Programme Elective <b>OE:</b> Open Elective	CIA 1	10%	Home Assignment
		CIA 2	20%	Written Exam
		CIA 3	10%	Activity/Project and research based learning along with seminar presentation
		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance
		<b>TOTAL</b>	<b>50%</b>	

**Exit option: PG Diploma with 40 Credits**

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Doc No