



**FACULTY OF BASIC LIFE & APPLIED SCIENCES**

**DEPARTMENT OF PHYSICAL SCIENCES**

**Teaching Scheme Session 2022 Onwards**

Program Name: Master of Science

Course: M.Sc. (Physics)

YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
<b>Theory Papers</b>			
1	BS202101	Classical Mechanics	3
2	BS202102	Quantum Mechanics	3
3	BS202103	Classical Electrodynamics-I	3
4	BS202104	Electronics	3
5	BS202105	Computer Programming	3
6	BS202106	Numerical Methods	3
<b>Practical Papers</b>			
1	BS202121	Core Practical Lab-I	3
2	BS202122	Elective Practical Lab -I	3
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: I/II

S. No.	Subject Code	Subject Title	Credit
<b>Theory Papers</b>			
1	BS202201	Atomic And Molecular Physics	3
2	BS202202	Classical Electrodynamics-II	3
3	BS202203	Mathematical Methods In Physics	3
4	BS202204	General Theory of Relativity	3
5	BS202205	Laser Physics-I	3
6	BS202206	Laser Physics-II	3
<b>Practical Papers</b>			
1	BS202221	Core Practical Lab-II	3
2	BS202222	Elective Practical Lab -II	3
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: II/III

S. No.	Subject Code	Subject Title	Credit
<b>Theory Papers</b>			
1	BS202301	Advanced Quantum Mechanics	3
2	BS202302	Statistical And Solid State Physics	3
3	BS202303	Nuclear Physics-I	3
4	BS202304	Plasma Physics-I	3
5	BS202305	Condensed Matter Physics-I	3
6	BS202306	Electronics And Communication-I	3
<b>Practical Papers</b>			
1	BS202321	Core Practical Lab-III	3
2	BS202322	Elective Practical Lab -III	3
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
<b>Theory Papers</b>			
1	BS202401	Introduction Of Quantum Field Theory	3
2	BS202402	Solid State Physics	3
3	BS202403	Nuclear Physics-II	3
4	BS202404	Plasma Physics-II	3
5	BS202405	Condensed Matter Physics-II	3
6	BS202406	Electronics And Communication-II	3
<b>Practical Papers</b>			
1	BS202421	Core Practical Lab-IV	3
2	BS202422	Elective Practical Lab -IV	3
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1