

## Course Structure

### Semester I

First Year

Course code	Course Title	L-T-P	Credits
SPHL 101P	Classical Mechanics	4-0-0	4
SPHL 102P	Mathematical Physics	4-0-0	4
SPHL 103P	Quantum Mechanics-I	4-0-0	4
SPHL 117P	Electronics	4-0-0	4
SPHP 115P	General Laboratory-I	0-0-16	8
<b>Total Credits</b>		<b>16-0-16=32hrs</b>	<b>24</b>

### Semester II

First Year

Course code	Course Title	L-T-P	Credits
SPHL 107P	Statistical Mechanics	4-0-0	4
SPHL 108P	Quantum Mechanics-II	4-0-0	4
SPHL 115P	Electrodynamics & Plasma Physics	4-0-0	4
SPHL 111P	Atomic & Molecular Physics	4-0-0	4
SPHP 116P	General Laboratory-II	0-0-16	8
<b>Total Credits</b>		<b>16-0-16=32hrs</b>	<b>24</b>

### Semester III

Second Year

Course code	Course Title	L-T-P	Credits
SPHL 104P	Nuclear & Particle Physics	4-0-0	4
SPHL 110P	Condensed Matter Physics	4-0-0	4
SPHL 21XP	Special Paper I	4-0-0	4
SPHL 21YP	Special Paper II	4-0-0	4
SPHP 21XP	Special Paper Lab	0-0-16	8
<b>Total Credits</b>		<b>16-0-16=32 hrs</b>	<b>24</b>

### Semester IV

Second Year

Course code	Course Title	L-T-P	Credits
SPHL 213P	Computational Methods & Programming	2-0-4	4
SPHL 214P	Relativistic Quantum Mechanics	4-0-0	4
SPHL 22XP	Special Paper III	4-0-0	4
SPHL 22YP	Special Paper IV	4-0-0	4
SPHD 201P	Project	0-0-16	8
<b>Total Credits</b>		<b>16-0-16=32 hrs</b>	<b>24</b>