

**Program Structure
B.Sc Physics (Hons.)
AY-2018-2019**

Semester I (Total 7)					Semester II (Total 7)			
	SI no.	Course Name	Course Code	L P U	SI no.	Course Name	Course Code	L P U
Year I	1	Mechanics and general properties of matter	PHY111T	4 0 4	1	Physical Optics	PHY121T	4 0 4
	2	Mathematical Physics I	PHY112T	4 0 4	2	Mathematical Physics II	PHY122T	4 0 4
	3	Waves and Optics	PHY113T	4 0 4	3	Heat and Radiation	PHY123T	4 0 4
	4	Mechanics and General Properties of Matter Lab	PHY114P	0 6 4	4	Optics and Thermal Physics Lab	PHY124P	0 6 4
	5	General Mathematics I	MAT114T	3 0 3	5	General Mathematics II	MAT125T	3 0 3
	6	General Chemistry I	CHE115T	3 0 3	6	General Chemistry II	CHE125T	3 0 3
	7	English Language Skill	EGL111	3 0 3	7	Environmental Studies	ENV222	3 0 3
			Total unit	25			Total unit	25
	Summer Internship I	BSCIP 101			5			
Semester III (Total 8)					Semester IV (Total 8)			
	SI no.	Course Name	Course Code	L P U	SI no.	Course Name	Course Code	L P U
Year II	1	Classical mechanics and Theory of Relativity	PHY213T	4 0 4	1	Electromagnetic Theory	PHY221	4 0 4
	2	Quantum Mechanics I	PHY214T	4 0 4	2	Quantum Mechanics II	PHY222T	4 0 4
	3	Thermodynamics	PHY211T	4 0 4	3	Statistical Mechanics and Plasma Physics	PHY223T	4 0 4
	4	Electricity and Magnetism-I	PHY212T	4 0 4	4	Electronics	PHY224T	4 0 4
	5	Electricity and Magnetism Lab	PHY215P	0 6 4	5	Electronics Lab	PHY225P	0 6 4
	6	General	MAT214T	303	6	General	MAT225T	303


 Registrar,
 ICFAI University Tripura
 Kamalghat, Tripura (West).

		Mathematics III				Mathematics IV		
	7	General Chemistry III	CHE215T	303	7	General Chemistry IV	CHE225T	303
	8	General Chemistry Lab	CHE216P	032	8	Soft Skill SSU	SSU354	303
			Total unit	28			Total unit	29
		Summer Internship II	BSCIP102	5				
Semester V (Total 6)				Semester VI (Total 4)				
	Sl no.	Course Name	Course Code	L P U	Sl no.	Course Name	Course Code	L P U
Year III	1	Computational Physics	PHY303	303	1	Atomic Physics DISCIPLINE SPECIFIC ELECTIVE	PHY310	4 0 4
	2	Elements of Modern Physics	PHY302	404	2	Nuclear Physics DISCIPLINE SPECIFIC ELECTIVE	PHY311	4 0 4
	3	Solid State Physics	PHY301	404	3	Digital Electronics and Solid state Devices Core Course	PHY309	4 0 4
	4	Solid State Physics Lab	PHY301P	064	4	Digital Electronics Lab	PHY309P	0 6 4
	5	Computational Physics Lab	PHY303P	064				
	6	Physics Workshop Lab	PHY308P	133				
				Total Unit	22			Total Unit


Registrar,
 ICFAI University Tripura
 Kamalghat, Tripura (West).