

PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: B Sc Physics (SF)

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Credits
22LAT101N	Tamil-I	ELECTIVE	THEORY	1	1	3
22LAH101N	Hindi-I	ELECTIVE	THEORY	1	1	3
22LAF101N	French -I	ELECTIVE	THEORY	1	1	3
22EU101N	Communicative English - I- Interpersonal Communication	CORE	THEORY	2	1	3
22PHU101N	AstroPhysics and Philosophy of Physics	CORE	THEORY	3	1	4
22PHU102N	Properties of Matter and Sound	CORE	THEORY	3	1	4
22PHU103N	(Interdisciplinary) - Mathematics - I (MA)	CORE	THEORY	3	1	5
22PHU207N	Physics Practical-I	CORE	PRACTICAL	3	1	2
22LAT202N	Tamil-II	ELECTIVE	THEORY	1	2	3
22LAH202N	Hindi-II	ELECTIVE	THEORY	1	2	3
22LAF202N	FRENCH - II - FRENCH LANGUAGE & CULTURE - II	ELECTIVE	THEORY	1	2	3
22EU202N	Communicative English - II- Academic Communication	CORE	THEORY	2	2	3
22PHU204N	Thermal and Statistical Physics	CORE	THEORY	3	2	4
22PHU205N	Mechanics and Fluid Dynamics	CORE	THEORY	3	2	4
22PHU206N	Mathematics - II For physics	CORE	THEORY	3	2	4
22PHU207N	Physics Practical-I	CORE	PRACTICAL	3	2	2
22AECU201	Ability Enhancement Compulsory Course-I -Values and Ethics for Human Excellance	CORE	THEORY	4	2	2
23PSEU201	Professional Skill Enhancement - I	CORE	THEORY	4	2	2
22LAT303N	Tamil-III	ELECTIVE	THEORY	1	3	3
22LAH303N	Hindi-III	ELECTIVE	THEORY	1	3	3
22LAF303N	French-III	ELECTIVE	THEORY	1	3	3
22EU303N	Communicative English III : Developing English Language Skills through Literature	CORE	THEORY	2	3	3
22PHU308N	Electricity and Magnetism	CORE	THEORY	3	3	3

22PHU309N	Atomic, Molecular and Laser Physics	CORE	THEORY	3	3	3
22PHU310N	Chemistry I (CH)	CORE	THEORY	3	3	4
22PHU414N	Physics Practical II	CORE	PRACTICAL	3	3	2
22PHU415N	Chemistry Practical (CH)	CORE	PRACTICAL	3	3	2
22AECU302	Ability Enhancement Compulsory Course II: Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	3	2
22LAT404N	Tamil-IV	ELECTIVE	THEORY	1	4	3
22LAH404N	Hindi-IV	ELECTIVE	THEORY	1	4	3
22LAF404N	FRENCH - IV FRENCH & FRANCOPHONE LITERATURE & ADVANCED GRAMMAR- II	ELECTIVE	THEORY	1	4	3
22EU404N	Communicative English IV- English for Career	CORE	THEORY	2	4	3
22PHU411N	Optics	CORE	THEORY	3	4	3
22PHU412N	Electronic Instrumentation	CORE	THEORY	3	4	3
22PHU413N	Chemistry-II	CORE	THEORY	3	4	3
22PHU414N	Physics Practical II	CORE	PRACTICAL	3	4	2
22PHU415N	Chemistry Practical	CORE	PRACTICAL	3	4	2
22SECU401	Skill Enhancement Course I- Information Security	CORE	THEORY	4	4	2
23PSEU402	Professional Skill Enhancement - II	CORE	THEORY	4	4	2
22PHU516	Quantum Mechanics & Relativity	CORE	THEORY	3	5	4
22PHU517	Mathematical Physics	CORE	THEORY	3	5	5
22PHU518	Principles of Digital Electronics	CORE	THEORY	3	5	4
22PHU519A	Major Elective Course I - Semiconductor Electronics	CORE	THEORY	3	5	5
22PHU520	Project Work (Group)	CORE	PROJECT	3	5	2
22PHU525	Physics Practical III	CORE	PRACTICAL	3	5	4
22PHU526	Physics Practical IV	CORE	PRACTICAL	3	5	4
22PHU622	Nuclear Physics	CORE	THEORY	3	6	5
22PHU623	Materials Science	CORE	THEORY	3	6	5
22PHU624	Microprocessor Architecture and Programming	CORE	THEORY	3	6	5
22PHU625A	Major Elective Course II - Alternate Energy Resources	CORE	THEORY	3	6	4
22PHU626	Physics Practical III	CORE	PRACTICAL	3	6	4
22PHU627	Physics Practical IV	CORE	PRACTICAL	3	6	4