

COURSE CONTENTS					
Semester	Course No	Course Title	Type	Credits	Course Faculty
I	UFC C046	Photonics	C	4	Dr.C.Selvaraju
	UFC C031	Chemical Biology	C	4	Dr.P.Ramamurthy
	UFC C032	Quantum Chemistry	C	4	Dr.E.J. Padma Malar
	UFC C047	Practical-I Optics and Computational Methods	C	4	Dr.C.Selvaraju & E.J.Padma Malar
		Elective	E	3	
		Elective	E	3	
		Soft Skills		2	
				24	
II	UFC C034	Group Theory and Spectroscopy	C	4	Dr.E.J. Padma Malar
	UFC C035	Photophysics and Photochemistry	C	4	Dr.P.Ramamurthy
	UFC C036	Lasers Theory & Principles	C	4	Dr.C.Selvaraju
	UFC C037	Practical – II Spectroscopy	C	3	Dr.P. Ramamurthy/ Technical Assistant
		Elective	E	3	
		Elective	E	3	
		Soft Skills		2	
				23	
III	UFC C038	Biophotonics	C	4	Dr.P. Ramamurthy & Guest faculty
	UFC C039	Semiconductors & Devices	C	4	Dr.P.Ramamurthy
	UFC C040	Nanophotonics	C	4	Dr.P.Ramamurthy & Dr.C. Selvaraju
	UFC C041	Practical – III Lasers and Optoelectronics	C	4	Dr.C. Selvaraju & Guest Faculty
	UFC C042	Seminar	C	1	All Faculty
		Internship	S	2	
		Elective	E	3	
	UFC E001	Fluorescence Spectroscopy for biologists (offered to other department)	E	3	Dr.P. Ramamurthy
		Soft Skills		2	
				24	
IV	UFC C043	Laser Material Processing	C	4	Dr.C. Selvaraju
	UFC C044	Optoelectronics and Fibre Optics	C	4	Guest Faculty
	UFC C045	Project and viva-voce	C	6	All faculty
	UFC E003	Crystal growth and Experimental techniques	E	3	Guest Faculty
		Soft Skills		2	
				19	
				Total Credits = 90	