

**IV.TEXT BOOKS**
**104**
**SECOND SEMESTER 2019-2020**

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
1484	PHY F243	MATHEMATICAL METHODS OF PHYSICS	Arfken, Weber, Harris Mathematical Methods for Physicists 7th edition, Academic Press, 2012
1485	PHY F244	MODERN PHYSICS LAB	No text book required
1666	PHY F266	STUDY PROJECT	No text book required
1494	PHY F315	THEORY OF RELATIVITY	(i) Robert Resnick Introduction to Special Relativity Wiley India Ltd
			(ii) P A M Dirac General Theory of Relativity
1489	PHY F341	SOLID STATE PHYSICS	Charles Kittel Introduction to Solid State Physics, 7th ed., Wiley (1997)
1490	PHY F342	ATOMIC & MOLECULAR PHY	Bransden B.H, Joachain C.J. Physics of Atoms and Molecules Pearson, 2nd ed. 2001.
1491	PHY F343	NUCLEAR & PARTICLE PHY	A. Das, T. Ferbel Introduction to nuclear and particle physics Publisher - World Scientific Publishing Ltd
1492	PHY F344	ADVANCED PHYSICS LAB	No text book required
1683	PHY F366	LABORATORY PROJECT	No text book required
1751	PHY F367	LABORATORY PROJECT	No text book required
1700	PHY F376	DESIGN PROJECT	No text book required
1767	PHY F377	DESIGN PROJECT	No text book required
2136	PHY F379	THIN FILM TECHNOLOGY	No text book required
1504	PHY F420	QUANTUM OPTICS	C. Gerry and P. Knight Introductory Quantum Optics Cambridge University Press, 2005
2274	PHY F431	GEOMETRICAL METHODS IN	Bernard Schutz Geometrical Methods of Mathematical Physics Cambridge University Press, 1979