

IV.TEXT BOOKS
79
SECOND SEMESTER 2019-2020

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
1234	CE F435	INTRODUCTION TO FEM	Daryl L Logan, A first course in Finite Element Method Fifth Edition, Cengage Learning, New Delhi
230	CE G514	STRUCTURAL OPTIMIZATION	Rao, S S Engineering Optimization, Theory and Practice New Age International Publishers, Fourth Edition, 2013.
256	CE G518	PAVEMENT ANALYSIS & DES	(i) Huang, Yang H Pavement Analysis and Design PH, 2nd ed, 2003
			(ii) AASHTO Mechanistic Empirical Pavement Design Guide – A Manual of Practice USA, 2nd Edition
309	CE G524	URBAN MASS TRAN PLAN OP	(i) Vuchic Vukan R Urban Transit: Operations, Planning and Economics ; John Wiley & Sons, Inc.; 2005
			(ii) Vukan R. Vuchic Urban Transit Systems and Technology 2nd Ed., John Wiley & Sons, Inc
2023	CE G546	HIGHWAY CONS PRACTICES	(i) Kandhal Bituminous Road Construction in India PHI, Delhi 2016
			(ii) MoRTH Book of specifications for Roads and Bridge work IRC, 5th revision, 2013, New Delhi
2199	CE G562	ADVANCED CONCRETE TECHNOLOG	(i) Mehta, P. K., and Monteiro, P. J. M Concrete: Microstructure, Properties, and Materials 4th Ed., 2014, McGraw-Hill Education, USA.
			(ii) Neville, A.M, “Properties of Concrete” 4th Edition 1996, Addison Wesley Longman Limited, Harlow, UK.
688	CE G613	ADV CONCRETE STRUCTURES	Varghese P C Adv. Reinforced Concrete Design PHI, 2nd ed 2005
108	CE G615	EARTHQUAKE ENGINEERING	(i) Agarwal P and Shrikhande M Earthquake resistant design of Structures PHI ,2006