

List of M.Sc. by Research / Ph.D. course work subjects that can be offered under Civil Engineering Group from 2006 onwards

Attract

Group I		Group II		Group III		Group IV	
Subject Code	Name of the subject	Subject Code	Name of the subject	Subject Code	Name of the subject	Subject Code	Name of the subject
05 CCS - 11	Mechanics of Deformable Bodies	05 CCS - 12	Computational Structural Mechanics	05 CCS - 13	Computational Structural Dynamics	05 CCS - 151	Composites and Smart – Materials
05 CCS - 141	Computer Aided Optimum Design of Structures	05 CCS - 241	Earthquake Resistant Design of structures	05 CCS - 251	Reliability Analysis and Reliability based Design of Structures	05 CHY - 23	GIS and Remote Sensing applications to Water Resources
05 CHY - 11	Applied Mathematics	05 CHY - 21	Water Resources Planning, Design & Management	05 CHY - 242	Closed conduit flow	05 CHY - 252	Environmental Management of Water Resources
05 CHY - 13	Advanced Hydraulics	05 CCT - 152	Structural Masonry	05 CCT - 153	Rehabilitation of Structures	05 CIS - 21	Finite Element Analysis
05 CCT - 13	Advances in Construction Materials.	05 CCT - 21	Construction Economics and Finance	05 CHT - 153	Rural Roads	05 CHT - 253	Road Safety and Traffic Management
05 CCT - 241	Construction Quality and Safety	05 CHT - 241	Special problems in Road Construction	05 CIS - 141	Safety of Structures	05 CIS - 142	Numerical Methods in Mechanics & Engineering
05 CHT - 142	Applied Statistics and Computational Methods	05 CGT - 143	Advanced pavement design	05 CIS - 152	Optimization	05 CIS - 153	Pre Fabrication and Precast Structures
05 CIS - 12	Applied Elasticity Plasticity and Fracture Mechanics	05 GIT - 141	Photogrammetry, Geodesy and GPS	05 CGT - 151	Environmental geo-techniques	05 CGT - 252	Critical State Soil Mechanics
05 CIS - 251	Advanced Strength of Materials	05 CHY - 22	Ground Water Hydrology	05 GIT - 241	Applications of Geo-informatics for Natural Resources Management	05 GIT - 12	Basics and Fundamentals of Remote Sensing
05 CGT - 142	Ground Improvement Techniques	05 CEE - 153	Energy & Environment	05 CIS - 151	Concrete Technology	05 GIT - 243	Advanced Digital Image Processing
05 MWR - 22	Water Shed Management	05 CEE - 21	Atmospheric Environmental Pollution and Control	05 CEE - 22	Industrial Wastewater Treatment	05 CEE - 143	Remote Sensing & GIS in Environmental Engineering
05 CEE - 13	Wastewater Treatment Engineering	05 CEE - 23	Ecology & Environmental Impact Assessment	05 CEE - 253	Occupational Safety & Health	05CEE - 242	Hazardous Waste Management
05 CEE - 151	Transport Process and Modeling in Aquatic Systems					05 CEE - 252	Environmental Planning and Management

