

c. Professional and Practical Skills: :

1 -	Ability to handle different types of structure
2 -	Ability to handle different methods of structural analysis
3 -	Apply knowledge of mathematics, science and engineering

d. General and Transferable Skills: :

1 -	Manage time and meet deadlines
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Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Elastic Buckling of columns and beam columns	15	9	6
Plastic analysis of structures (Limit analysis of plane beams and frames)	30	18	12
Approximate analysis of statically indeterminate structures	15	9	6
Membrane stresses in shells of revolution and cylindrical shells	15	9	6

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exams	40.00		
First Mid Term Exam	25.00		
Performance	10.00		
Second Mid Term Exam	25.00		

Course Notes :

Lecture Notes

Recommended books :

R.C. Coates, M.G. Coutie, and F.K. Cong "Structural Analysis" 3rd Edition 1987, ELBS (UK)
 V.T. Marshall and H.M. Nelson "Structures", 2nd Edition 1984, ELBS (UK)
 A.N. Vazirani, and M.M. Ratwani, "Advanced Theory of Structures and Matrix Methods" 6Th Edition 2008, KHANNA Publishers, Delhi.