ADVANCED STRUCTURAL ANALYSIS
CEL 717

Course Coordinator : Dr. Suresh Bhalla
Office : V 102
Intercom : 1040
Email : sbhalla@civil.iitd.ac.in
Consultation time : 12:30-2:00pm

Announcement:
Please register for MATLAB training sessions held by CSC
CONTENTS

1. Stiffness method for analysis of skeletal structures 14 lectures
2. Flexibility method for analysis of skeletal structures 08 lectures
3. Plastic analysis of skeletal structures 14 lectures
4. Analysis of plates and shells 06 lectures
MARKS DISTRIBUTION

Minor I : 20
Minor II : 20
Major : 40
Programming assignment : 15
Quiz : 05

TOTAL : 100


(All above books are available in central and departmental library)
COURSE WEBSITE

http://web.iitd.ac.in/~sbhalla/cel717.pdf

STRUCTURAL SIMULATION LAB

Location : V 216
Login : LDAP username valid
PAST EXAMS

2013-14 Minor I : http://web.iitd.ac.in/~sbhalla/Minor1.pdf

2013-14 Minor II : http://web.iitd.ac.in/~sbhalla/Minor2.pdf

2013-14 Major : http://web.iitd.ac.in/~sbhalla/Major.pdf
USEFUL LINKS

Course website:  
http://web.iitd.ac.in/~sbhalla/cel717.pdf

Review of concepts:  
http://web.iitd.ac.in/~sbhalla/rc717.pdf

Stiffness method for analysis of skeletal structures (Part I):  
http://web.iitd.ac.in/~sbhalla/stiffness1.pdf

Stiffness method for analysis of skeletal structures (Part II):  
http://web.iitd.ac.in/~sbhalla/stiffness2.pdf

Plastic Analysis  
http://web.iitd.ac.in/~sbhalla/plastic.pdf

Matrix Flexibility Approach  
http://web.iitd.ac.in/~sbhalla/flexibility.pdf

Marks and attendance  
http://web.iitd.ac.in/~sbhalla/cel717.xls