



**CE 238 Jan. 3:0**

## **Structural Masonry**

### **Instructor**

B V Venkatarma Reddy  
Email: venkat@iisc.ac.in

### **Teaching Assistant**

Email:

**Department: Civil Engineering**

Course Time:

Lecture venue: Structural Engineering class room

Detailed Course Page:

## **Announcements**

### **Brief description of the course**

Course is intended for M.Tech and Research students

### **Prerequisites**

Degree in Civil Engineering/Architecture

### **Syllabus**

Introduction to Masonry structures; Masonry materials; Masonry properties; Masonry under compression; flexure & shear; failure theories; Masonry design

### **Course outcomes**

Masonry behaviour; Design Principles; Design of real time masonry structures

### **Grading policy**

50% weightage for tests/assignments

50% final examination

### **Assignments**

Design examples

### **Resources**

1. A. W. Hendry, Structural Masonry, Macmillan Ltd., 1998

2. A. W. Hendry, B. P. Sinha and S. R. Davies, An introduction to load bearing brickwork design.
3. Sven Sahlin, Structural Masonry, Prentice-Hall Inc., 1971
4. Miha Tomezevic, Earthquake resistant design of masonry buildings, Imperial College Press, 1999, 693.852N99
5. Robert Drysdale and A A Hamid, Masonry structures behaviour and design, Publisher: The Masonry Society, Boulder, Colorado USA, 3rd Ed. 2008