

L J School of Architecture

Syllabus for B.Arch. 2019-20

First Year | Semester 2

Subject Code: 206|Subject: Structure II | Credit: 02

Course Content:

- Conceptual understanding of structural behavior
- Understanding of Bending of beams and diagrams of shear force & bending moment.
- Different types of stress on structural members.
- Study the types of loads and learn the mechanism of transfer of load
- Trusses
- Center of Gravity & Moment of Inertia

Methodology:

- Lectures, Site Visits, case-studies, presentation, group work.

Reference:

1. Theory of Structures by S. Ramamrutham
2. Structure & Architecture by Angus J Macdonald
3. Salvadori's Structure in Architecture by Robert A. Heller
4. Structure as Architecture: A source book for architects and structural engineers by Andrew Charleston