

L J School of Architecture

Syllabus for B.Arch. 2019-20

Second Year | Semester 3

Subject Code: 305|Subject: Climatology II | Credit: 02

Course Content:

- Body heat exchange
- Thermal balance
- Psychometric chart
- Human comfort conditions
- Comfort chart, comfort zone, effective temperature, humidity, radiation, wind, precipitation
- Understand Climatic Zones:
- Global to Local Level
- Understand Passive Means for various Climatic Zones
- Orientation
- Massing/Form
- Fenestration Design
- Use of landscaping Features
- Sustainability aspects
- Rating systems for climate responsive buildings
- Understanding of models, strategies and codes related to energy efficient and climate responsive considerations in buildings.

Methodology:

- Lectures, presentation, group discussions.

Reference: