

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Bachelor of Interior Design

SEMESTER-1

SUBJECT NAME – INTERIOR MATERIALS AND TECHNOLOGY-I
SUBJECT CODE – 1015104

EMPHASIS:

- Understanding Building as a system.
- Introduction of basics of building material and construction methods.

CONTENT:

- Introduction to the various components of building like floors, roofs, openings, stairs, over hangs, partitions, ceilings, structural members etc.
- Study various properties of basic building construction materials such as sand, cement, lime, brick, stone, wood and wooden products, various metals, glass, plastic etc.
- Structural and physical behavior of materials with respect to their properties and applications in building.
- Appropriate use of materials with respect to building techniques.
- Study of brick and stone masonry.
- Study of Brick partition and infill walls.
- Light weight/ concrete blocks constructions.

REFERENCES:

- Mackay W. L. – Building Construction – Volume – I – II – III
- Building Construction Illustrated - D.K. Ching.
- Barry R – The Construction of Building
- Cowan Henry – Handbook of Architectural Technology
- Atten Edward – Fundamentals of Building Construction